

August 31, 2006

Fluid Minerals Group  
Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.  
**RBU 20-19F**

Surface Location: 721' FNL & 554' FWL, Lot 1 (NW/4 NW/4),  
Target Location: 1,700' FNL & 200' FWL, Lot 2 (SW/4 NW/4),  
Section 19, T10S, R20E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced BLM administered directional 20-acre in-field well. The location of the surface and target location as well as all points along the intended well bore path are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*

Don Hamilton  
Agent for Dominion

cc: Diana Whitney, Division of Oil, Gas and Mining  
Carla Christian, Dominion  
Ken Secrest, Dominion

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DIV. OF OIL, GAS & MINING

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. U 013769-A
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Dominion Exploration & Production, Inc.		7. If Unit or CA Agreement, Name and No. River Bend Unit
3a. Address 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134		8. Lease Name and Well No. RBU 20-19F
3b. Phone No. (include area code) 405-749-5263		9. API Well No. 43047-38552
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 721' FNL & 554' FWL, Lot 1 (NW/4 NW/4), At proposed prod. zone 1,700' FNL & 200' FWL, Lot 2 (SW/4 NW/4),		10. Field and Pool, or Exploratory Natural Buttes
14. Distance in miles and direction from nearest town or post office* 10.60 miles southwest of Ouray, Utah		11. Sec., T. R. M. or Blk. and Survey or Area Section 19, T10S, R20E, SLB&M
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 554'	16. No. of acres in lease 1,280 acres	17. Spacing Unit dedicated to this well 20 acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 10'	19. Proposed Depth 8,550' TVD (8,809' MD)	20. BLM/BIA Bond No. on file WY 3322
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,132' GR	22. Approximate date work will start* 11/01/2006	23. Estimated duration 14 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature Don Hamilton	Name (Printed/Typed) Don Hamilton	Date 08/31/2006
Title Agent for Dominion		
Approved by (Signature) Bradley G. Hill	Name (Printed/Typed) BRADLEY G. HILL	Date 09-25-06
Title Office	Office ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

Federal Approval of this  
Action Is Necessary

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Surf  
609452 X  
4421472Y  
39.938183  
-109.718964  
BHL 609350 X  
44 21174Y  
39.935513  
-109.720208

T10S, R20E, S.L.B.&M.

DOMINION EXPLR. & PROD., INC.

Well location, RBU #20-19F, located as shown in LOT 1 of Section 19, T10S, R20E, S.L.B.&M., Uintah County Utah.

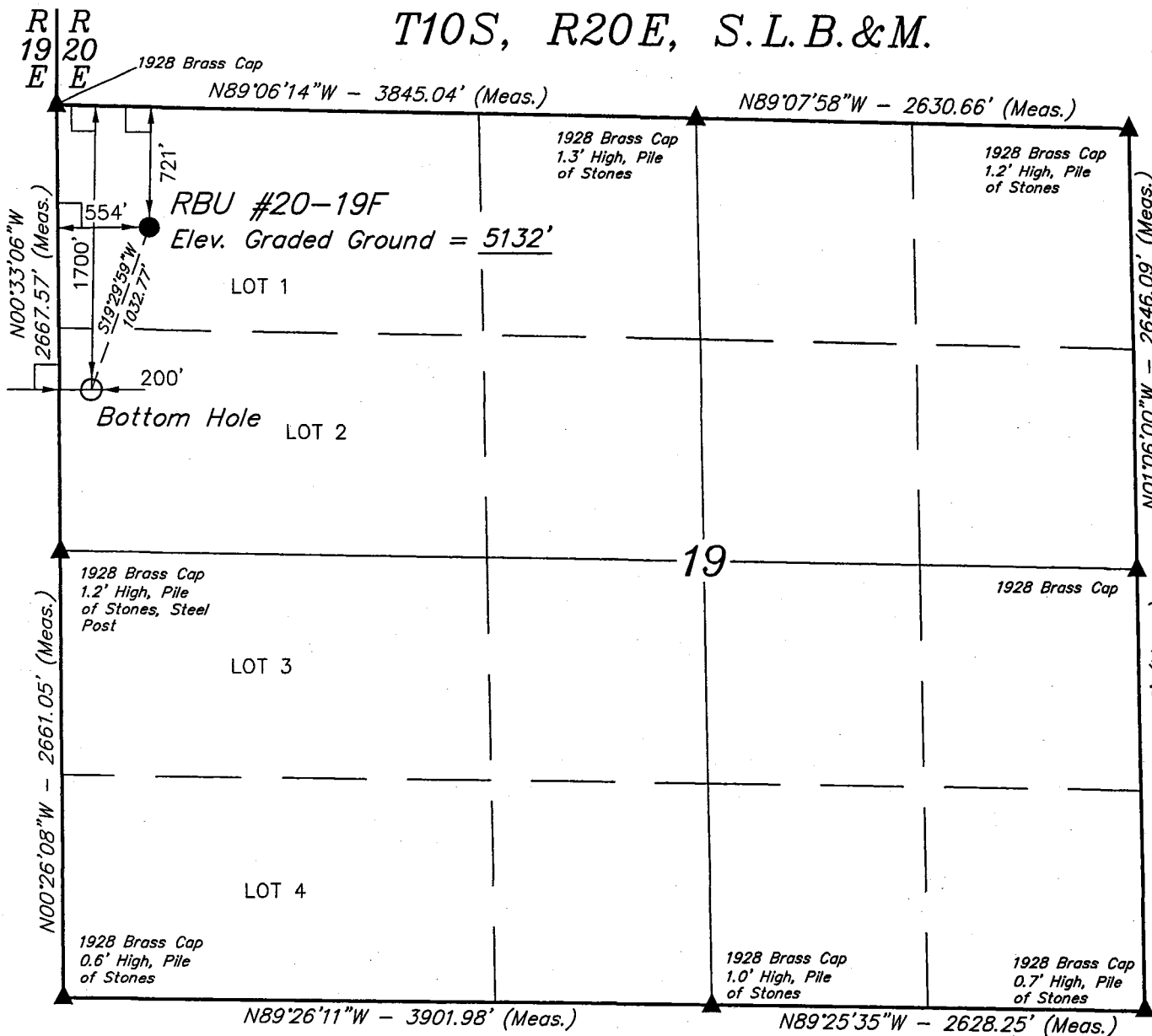
### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



SCALE

(NAD 83)  
 LATITUDE = 39°56'17.47" (39.938186)  
 LONGITUDE = 109°43'10.82" (109.719672)  
 (NAD 27)  
 LATITUDE = 39°56'17.60" (39.938222)  
 LONGITUDE = 109°43'08.32" (109.718978)



### BASIS OF BEARINGS

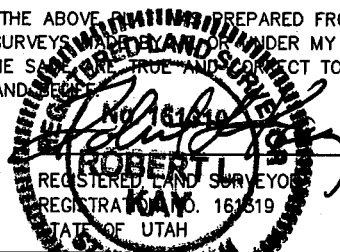
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE SURVEY WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.



### UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 07-14-06	DATE DRAWN: 07-21-06
PARTY B.H. F.Y. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE DOMINION EXPLR. & PROD., INC.	

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-19F  
SHL: 721' FNL & 554' FWL Section 19-10S-20E  
BHL: 1700' FNL & 200' FWL Section 19-10S-20E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,130'
Uteland Limestone	4,485'
Wasatch	4,645'
Chapita Wells	5,550'
Uteland Buttes	6,780'
Mesaverde	7,650'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,130'	Oil
Uteland Limestone	4,485'	Oil
Wasatch	4,645'	Gas
Chapita Wells	5,550'	Gas
Uteland Buttes	6,780'	Gas
Mesaverde	7,650'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,480'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,550'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' - 500'	8.4	Air foam mist, no pressure control
500' - 3,480'	8.6	Fresh water, rotating head and diverter
3,480' - 8,550'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this well will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,480'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	411	0'-2,980'	10.5 ppg	4.14 CFS	971 CF	1,700 CF
Tail	254	2,980-3,480'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,550'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,845'-4,645'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	780	4,645'-8,550'	13.0 ppg	1.75 CFS	677 CF	1353 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: November 1, 2006  
Duration: 14 Days

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**Dominion™**

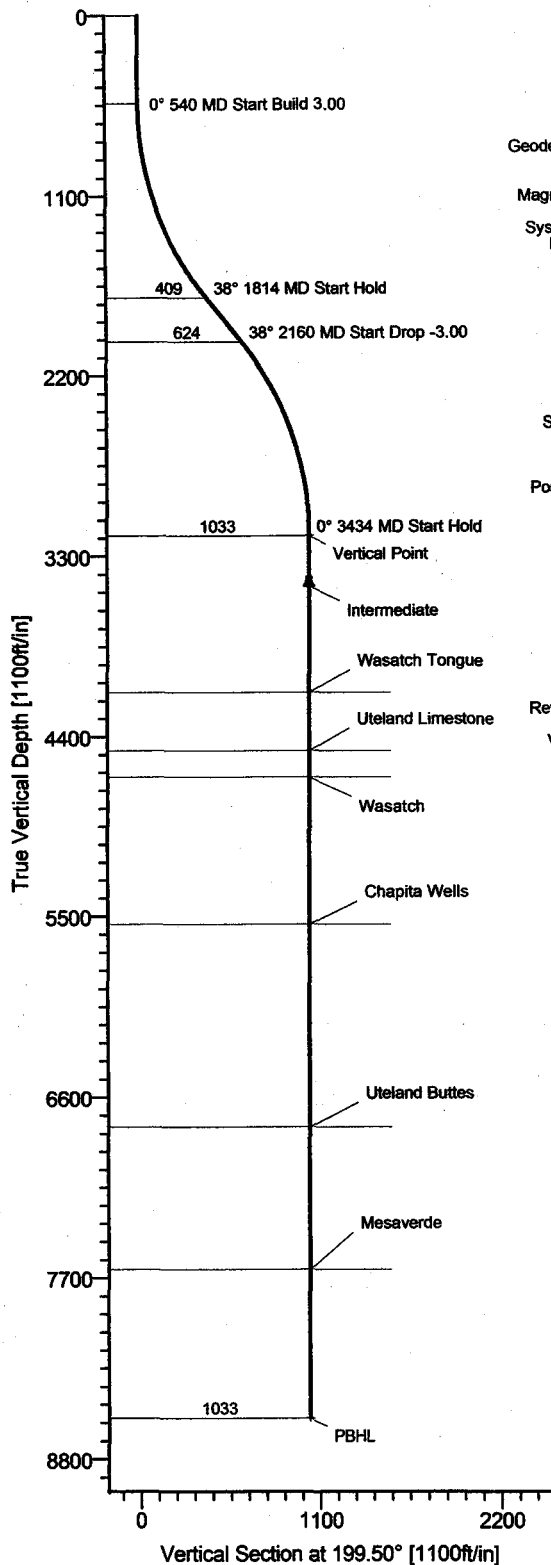
# Dominion Exploration & Production

Field: Uintah County, Utah  
Site: RBU 20-19F  
Well: RBU 20-19F  
Wellpath: Original Hole  
Plan: Plan #1



Azimuths to True North  
Magnetic North: 11.77°

Magnetic Field  
Strength: 52800nT  
Dip Angle: 65.90°  
Date: 8/23/2006  
Model: igrf2005



## FIELD DETAILS

Uintah County, Utah  
Utah - Natural Buttes  
USA

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: igrf2005

System Datum: Mean Sea Level  
Local North: True North

## SITE DETAILS

RBU 20-19F  
Sec 19 10S, 20 E  
Uintah County, Utah

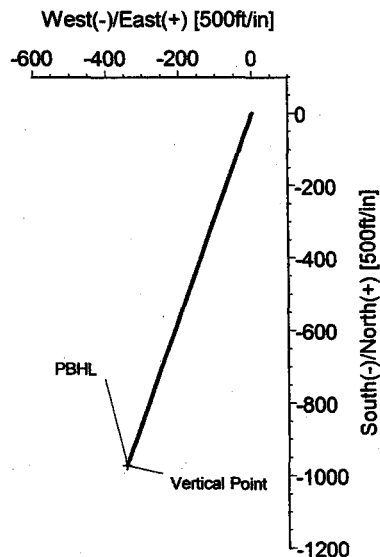
Site Centre Latitude: 39°56'17.470N  
Longitude: 109°43'10.820W

Ground Level: 5132.00  
Positional Uncertainty: 0.00  
Convergence: 1.14

## WELLPATH DETAILS

Original Hole

Rig:  
Ref. Datum: Est RKB 5150.00ft  
V. Section Angle: 199.50°  
Origin +N-S: 0.00  
Origin +E-W: 0.00  
Starting From TVD: 0.00



## WELL DETAILS

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
RBU 20-19F	0.00	0.00	7151190.16	2139569.73	39°56'17.470N	109°43'10.820W	N/A

## TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
Vertical Point	3175.00	-973.53	-344.74	Point
PBHL	8550.00	-973.53	-344.74	Point

## FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4130.00	4388.92	Wasatch Tongue
2	4485.00	4743.92	Uteland Limestone
3	4645.00	4903.92	Wasatch
4	5550.00	5808.92	Chapita Wells
5	6780.00	7038.92	Uteland Buttes
6	7650.00	7908.92	Mesaverde

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	199.50	0.00	0.00	0.00	0.00	0.00	0.00	
2	540.00	0.00	199.50	540.00	0.00	0.00	0.00	0.00	0.00	
3	1813.65	38.21	199.50	1721.32	-385.71	-136.59	3.00	199.50	409.18	
4	2160.26	38.21	199.50	1993.67	-587.81	-208.15	0.00	0.00	623.58	
5	3433.92	0.00	199.50	3175.00	-973.53	-344.74	3.00	180.00	1032.77	Vertical Point
6	8808.92	0.00	199.50	8550.00	-973.53	-344.74	0.00	199.50	1032.77	PBHL

Ryan Energy Technologies  
19510 Oil Center Blvd  
Houston, TX 77073  
Ph: 281-443-1414  
Fx: 281-443-1676



Plan: Plan #1 (RBU 20-19F/Original Hole)  
Created By: Alexis Gonzalez  
Checked: \_\_\_\_\_  
Reviewed: \_\_\_\_\_  
Approved: \_\_\_\_\_  
Date: 8/24/2006

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# Ryan Energy Technologies

## Planning Report



Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: RBU 20-19F  
Well: RBU 20-19F  
Wellpath: Original Hole

Date: 8/24/2006 Time: 08:57:20  
Co-ordinate(NE) Reference: Well: RBU 20-19F, True North  
Vertical (TVD) Reference: Est RKB 5150.0  
Section (VS) Reference: Well (0.00N,0.00E,199.50Azi)  
Plan: Plan #1

Page: 1

Field: Uintah County, Utah  
Utah - Natural Buttes  
USA

Map System: US State Plane Coordinate System 1983  
Geo Datum: GRS 1980  
Sys Datum: Mean Sea Level

Map Zone: Utah, Central Zone  
Coordinate System: Well Centre  
Geomagnetic Model: igrf2005

Site: RBU 20-19F  
Sec 19 10S, 20 E  
Uintah County, Utah

Site Position: Northing: 7151190.16 ft Latitude: 39 56 17.470 N  
From: Geographic Easting: 2139569.73 ft Longitude: 109 43 10.820 W  
Position Uncertainty: 0.00 ft North Reference: True  
Ground Level: 5132.00 ft Grid Convergence: 1.14 deg

Well: RBU 20-19F

Slot Name:

Well Position: +N/-S 0.00 ft Northing: 7151190.16 ft Latitude: 39 56 17.470 N  
+E/-W 0.00 ft Easting: 2139569.73 ft Longitude: 109 43 10.820 W  
Position Uncertainty: 0.00 ft

Wellpath: Original Hole

Drilled From: Surface  
Tie-on Depth: 0.00 ft  
Above System Datum: Mean Sea Level  
Declination: 11.77 deg  
Mag Dip Angle: 65.90 deg  
Direction deg

Current Datum: Est RKB Height 5150.00 ft  
Magnetic Data: 8/23/2006  
Field Strength: 52800 nT  
Vertical Section: Depth From (TVD) ft  
+N/-S ft  
+E/-W ft  
0.00 0.00 0.00 199.50

Plan: Plan #1

Date Composed: 8/23/2006  
Version: 1  
Tied-to: From Surface

Principal: Yes

### Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	199.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
540.00	0.00	199.50	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
1813.65	38.21	199.50	1721.32	-385.71	-136.59	3.00	3.00	0.00	199.50	
2160.26	38.21	199.50	1993.67	-587.81	-208.15	0.00	0.00	0.00	0.00	
3433.92	0.00	199.50	3175.00	-973.53	-344.74	3.00	-3.00	0.00	180.00	Vertical Point
8808.92	0.00	199.50	8550.00	-973.53	-344.74	0.00	0.00	0.00	199.50	PBHL

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
540.00	0.00	199.50	540.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	1.80	199.50	599.99	-0.89	-0.31	0.94	3.00	3.00	0.00	
700.00	4.80	199.50	699.81	-6.31	-2.24	6.70	3.00	3.00	0.00	
800.00	7.80	199.50	799.20	-16.66	-5.90	17.67	3.00	3.00	0.00	
900.00	10.80	199.50	897.87	-31.89	-11.29	33.83	3.00	3.00	0.00	
1000.00	13.80	199.50	995.57	-51.97	-18.40	55.13	3.00	3.00	0.00	
1100.00	16.80	199.50	1092.01	-76.84	-27.21	81.51	3.00	3.00	0.00	
1200.00	19.80	199.50	1186.94	-106.43	-37.69	112.91	3.00	3.00	0.00	
1300.00	22.80	199.50	1280.10	-140.67	-49.81	149.23	3.00	3.00	0.00	
1400.00	25.80	199.50	1371.23	-179.46	-63.55	190.38	3.00	3.00	0.00	
1500.00	28.80	199.50	1460.08	-222.69	-78.86	236.24	3.00	3.00	0.00	
1600.00	31.80	199.50	1546.41	-270.24	-95.70	286.69	3.00	3.00	0.00	
1700.00	34.80	199.50	1629.98	-321.99	-114.02	341.58	3.00	3.00	0.00	
1800.00	37.80	199.50	1710.56	-377.79	-133.78	400.78	3.00	3.00	0.00	
1813.65	38.21	199.50	1721.32	-385.71	-136.59	409.18	3.00	3.00	0.00	

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# Ryan Energy Technologies Planning Report



Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: RBU 20-19F  
Well: RBU 20-19F  
Wellpath: Original Hole

Date: 8/24/2006 Time: 08:57:20 Page: 2  
Co-ordinate(NE) Reference: Well: RBU 20-19F, True North  
Vertical (TVD) Reference: Est RKB 5150.0  
Section (VS) Reference: Well (0.00N,0.00E,199.50Azi)  
Plan: Plan #1

## Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	38.21	199.50	1789.17	-436.06	-154.42	462.60	0.00	0.00	0.00	
2000.00	38.21	199.50	1867.74	-494.37	-175.06	524.45	0.00	0.00	0.00	
2100.00	38.21	199.50	1946.32	-552.68	-195.71	586.31	0.00	0.00	0.00	
2160.26	38.21	199.50	1993.67	-587.81	-208.15	623.58	0.00	0.00	0.00	
2200.00	37.02	199.50	2025.15	-610.68	-216.25	647.83	3.00	-3.00	0.00	
2300.00	34.02	199.50	2106.53	-665.43	-235.64	705.92	3.00	-3.00	0.00	
2400.00	31.02	199.50	2190.84	-716.10	-253.58	759.67	3.00	-3.00	0.00	
2500.00	28.02	199.50	2277.85	-762.54	-270.02	808.94	3.00	-3.00	0.00	
2600.00	25.02	199.50	2367.32	-804.62	-284.93	853.58	3.00	-3.00	0.00	
2700.00	22.02	199.50	2459.01	-842.23	-298.24	893.48	3.00	-3.00	0.00	
2800.00	19.02	199.50	2552.65	-875.27	-309.94	928.52	3.00	-3.00	0.00	
2900.00	16.02	199.50	2648.00	-903.64	-319.99	958.62	3.00	-3.00	0.00	
3000.00	13.02	199.50	2744.80	-927.26	-328.36	983.68	3.00	-3.00	0.00	
3100.00	10.02	199.50	2842.78	-946.08	-335.02	1003.65	3.00	-3.00	0.00	
3200.00	7.02	199.50	2941.66	-960.04	-339.96	1018.46	3.00	-3.00	0.00	
3300.00	4.02	199.50	3041.19	-969.11	-343.17	1028.07	3.00	-3.00	0.00	
3400.00	1.02	199.50	3141.08	-973.25	-344.64	1032.47	3.00	-3.00	0.00	
3433.92	0.00	199.50	3175.00	-973.53	-344.74	1032.77	3.00	-3.00	0.00	Vertical Point
3500.00	0.00	199.50	3241.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
3600.00	0.00	199.50	3341.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
3700.00	0.00	199.50	3441.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
3738.92	0.00	199.50	3480.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Intermediate
3800.00	0.00	199.50	3541.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
3900.00	0.00	199.50	3641.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4000.00	0.00	199.50	3741.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4100.00	0.00	199.50	3841.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4200.00	0.00	199.50	3941.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4300.00	0.00	199.50	4041.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4388.92	0.00	199.50	4130.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Wasatch Tongue
4400.00	0.00	199.50	4141.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4500.00	0.00	199.50	4241.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4600.00	0.00	199.50	4341.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4700.00	0.00	199.50	4441.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4743.92	0.00	199.50	4485.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Uteland Limestone
4800.00	0.00	199.50	4541.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4900.00	0.00	199.50	4641.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
4903.92	0.00	199.50	4645.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Wasatch
5000.00	0.00	199.50	4741.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5100.00	0.00	199.50	4841.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5200.00	0.00	199.50	4941.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5300.00	0.00	199.50	5041.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5400.00	0.00	199.50	5141.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5500.00	0.00	199.50	5241.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5600.00	0.00	199.50	5341.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5700.00	0.00	199.50	5441.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5800.00	0.00	199.50	5541.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
5808.92	0.00	199.50	5550.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Chapita Wells
5900.00	0.00	199.50	5641.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6000.00	0.00	199.50	5741.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6100.00	0.00	199.50	5841.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6200.00	0.00	199.50	5941.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6300.00	0.00	199.50	6041.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6400.00	0.00	199.50	6141.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6500.00	0.00	199.50	6241.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	

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# Ryan Energy Technologies Planning Report



Company: Dominion Exploration & Product  
Field: Uintah County, Utah  
Site: RBU 20-19F  
Well: RBU 20-19F  
Wellpath: Original Hole

Date: 8/24/2006 Time: 08:57:20  
Co-ordinate(N/E) Reference: Well: RBU 20-19F, True North  
Vertical (TVD) Reference: Est RKB 5150.0  
Section (VS) Reference: Well (0.00N,0.00E,199.50Azi)  
Plan: Plan #1

Page: 3

## Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	199.50	6341.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6700.00	0.00	199.50	6441.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6800.00	0.00	199.50	6541.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
6900.00	0.00	199.50	6641.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7000.00	0.00	199.50	6741.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7038.92	0.00	199.50	6780.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Uteland Buttes
7100.00	0.00	199.50	6841.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7200.00	0.00	199.50	6941.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7300.00	0.00	199.50	7041.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7400.00	0.00	199.50	7141.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7500.00	0.00	199.50	7241.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7600.00	0.00	199.50	7341.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7700.00	0.00	199.50	7441.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7800.00	0.00	199.50	7541.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7900.00	0.00	199.50	7641.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
7908.92	0.00	199.50	7650.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	Mesaverde
8000.00	0.00	199.50	7741.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8100.00	0.00	199.50	7841.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8200.00	0.00	199.50	7941.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8300.00	0.00	199.50	8041.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8400.00	0.00	199.50	8141.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8500.00	0.00	199.50	8241.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8600.00	0.00	199.50	8341.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8700.00	0.00	199.50	8441.08	-973.53	-344.74	1032.77	0.00	0.00	0.00	
8808.92	0.00	199.50	8550.00	-973.53	-344.74	1032.77	0.00	0.00	0.00	PBHL

## Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
Vertical Point			3175.00	-973.53	-344.74	7150209.96	2139244.44	39	56	7.848 N	109	43	15.246 W
-Plan hit target													
PBHL			8550.00	-973.53	-344.74	7150209.96	2139244.44	39	56	7.848 N	109	43	15.246 W
-Plan hit target													

## Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3738.92	3480.00	9.625	9.625	Intermediate

## Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
4388.92	4130.00	Wasatch Tongue		0.00	0.00
4743.92	4485.00	Uteland Limestone		0.00	0.00
4903.92	4645.00	Wasatch		0.00	0.00
5808.92	5550.00	Chapita Wells		0.00	0.00
7038.92	6780.00	Uteland Buttes		0.00	0.00
7908.92	7650.00	Mesaverde		0.00	0.00

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## **SURFACE USE PLAN**

### **CONDITIONS OF APPROVAL**

#### *Attachment for Permit to Drill*

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-19F  
SHL: 721' FNL & 554' FWL Section 19-10S-20E  
BHL: 1700' FNL & 200' FWL Section 19-10S-20E  
Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Thursday, August 10, 2006 at approximately 11:36 am. In attendance at the onsite inspection were the following individuals:

Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Brandon McDonald	Wildlife Biologist	Bureau of Land Management – Vernal
Ken Secrest	Field Foreman	Dominion E & P, Inc.
Brandon Bowthorpe	Surveyor	Uintah Engineering & Land Surveying
Billy McClure	Foreman	LaRose Construction
Randy Jackson	Foreman	Jackson Construction
Don Hamilton	Agent	Buys & Associates, Inc.

#### 1. **Existing Roads:**

- a. No upgrades to existing roads and no new roads are proposed at this time since access will utilize the existing road to the existing well site.
- b. The proposed well site is located approximately 10.60 miles south of Ouray, UT.
- c. Directions to the proposed well site have been attached at the end of Exhibit B.
- d. The use of roads under State and County Road Department maintenance are necessary to access the River Bend Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- e. All existing roads will be maintained and kept in good repair during all phases of operation.
- e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- f. Since no improvements are anticipated to any State, County, Tribal or BLM access roads no topsoil striping will occur.
- g. An off-lease federal right-of-way is not anticipated for the access road or utility corridor since both are located within the existing River Bend Unit boundary and both utilize entirely existing disturbance.

2. Planned Access Roads:

- a. The proposed well utilizes the existing wellsite RBU 4-19F with no new access proposed.
- b. The operator will be responsible for all maintenance of the existing access road including drainage structures.

3. Location of Existing Wells:

- a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown or Carlsbad Canyon to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.
- b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- d. A tank battery will be constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- f. No new pipeline corridors are proposed at this time since gas transportation will utilize the existing pipeline network to the existing well site.
- g. The existing pipeline will be upgrade to 10" or less, as needed, from the proposed well to the existing Compressor #3 to provide additional production transportation capacity from the proposed 20 acre in-field wells.
- h. The upgraded gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction.
- i. Dominion intends on installing the upgraded pipeline on the surface by welding many joints

into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

- a. The use of materials will conform to 43 CFR 3610.2-3.
- b. No construction materials will be removed from Ute Tribal or BLM lands.
- c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

- a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
- b. Drill cuttings will be contained and buried on site.
- c. The reserve pit will be located outboard of the location and along the northeast side of the pad.
- d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.
- e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.
- f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.
- g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.
- h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

- i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.
- k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.
- l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the west.
- c. The pad and road designs are consistent with BLM specification
- d. A pre-construction meeting with responsible company representative, contractors and the BLM will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.
- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters from entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

- k. Pits will remain fenced until site cleanup.
- l. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

- a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- b. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximate natural contours.
- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
    - 1. Crested Wheat Grass (4 lbs / acre)
    - 2. Needle and Thread Grass (4 lbs / acre)
    - 3. Rice Grass (4 lbs / acre)
  - c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the BLM. The BLM recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

- a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- c. Our understanding of the results of the onsite inspection are:
  - a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
  - b. No drainage crossings that require additional State or Federal approval are being crossed.
  - c. A pipeline upgrade is proposed with this application.

13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

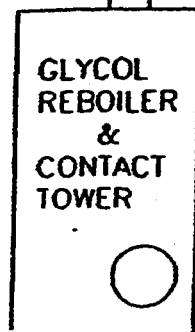
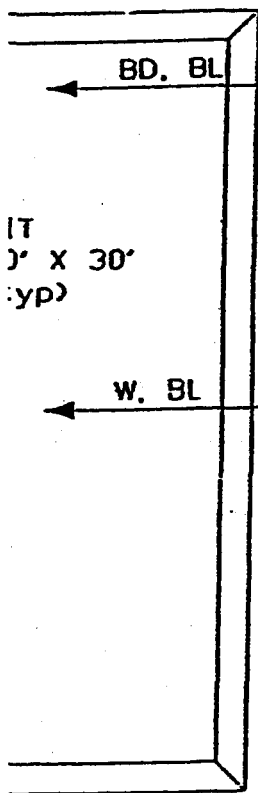
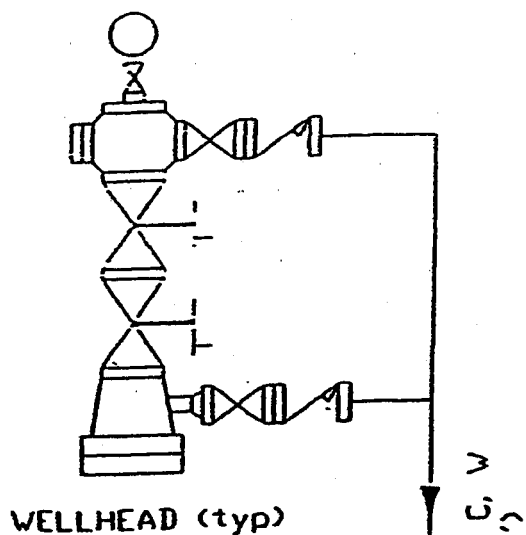
Signature: Don Hamilton Date: 8-31-06



**DOMINION EXPLR. & PROD., INC.**  
**RBU #19-19F, #20-19F & #17-24E**  
**SECTION 19, T10S, R20E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE EXISTING #4-19F AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.8 MILES.



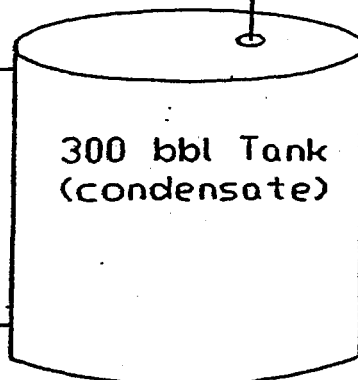
BL, G, C, V  
(± 100')



±100'

BL, C

SC



Relief

SUS

# LEGEND

- O = Oil Line
- G = Gas Line
- W = Water Line
- R = Relief Line (Pressure)
- C = Condensate Line
- V = Vent Line
- D = Drain Line
- M = Gas Meter
- P = Pump
- BP = Back Pressure Valve
- SWS = Sealed When Shipping
- SUS = Sealed Unless Shipping
- T = Heat Traced Line
- H = Heater
- BL = Buried Line
- ⋈ = Valve
- ⋈ = Check Valve
- SC = Sealed Closed Valve
- NC = Normally Closed
- BD = Blowdown Line

The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..



# DOMINION EXPLR. & PROD., INC.

## TYPICAL CROSS SECTIONS FOR

RBU #19-19F, #20-19F & #17-24E

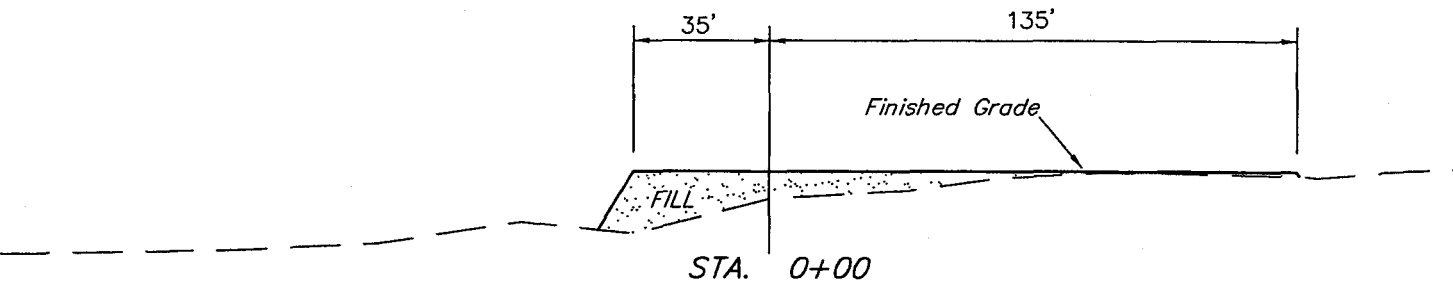
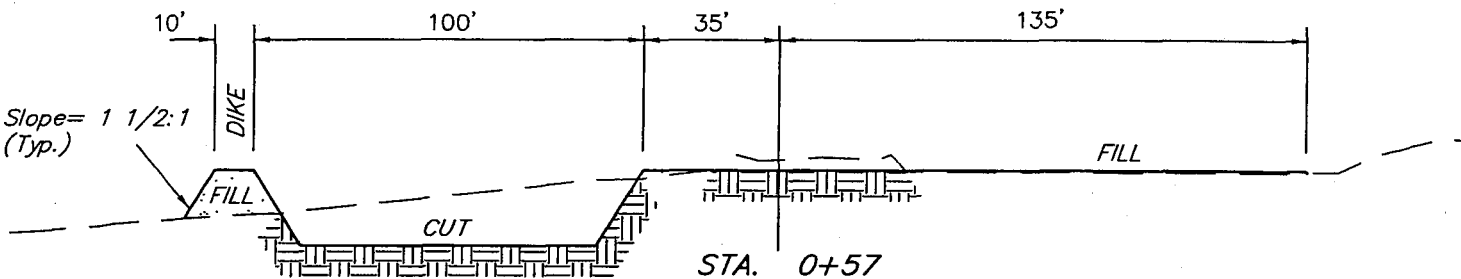
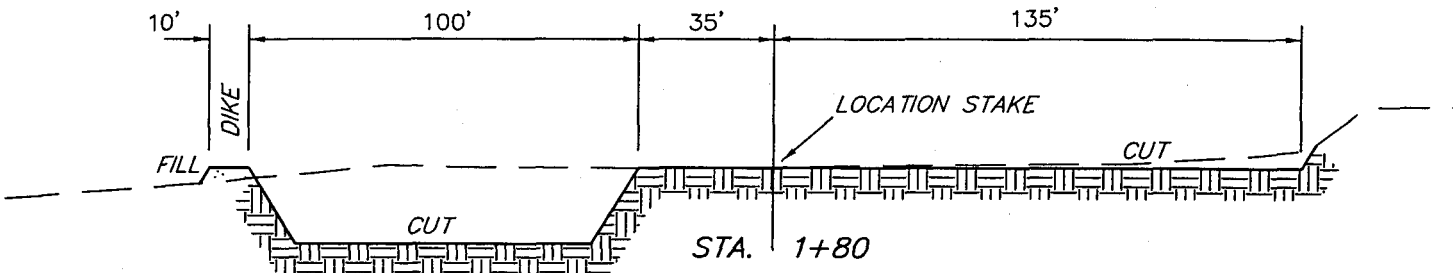
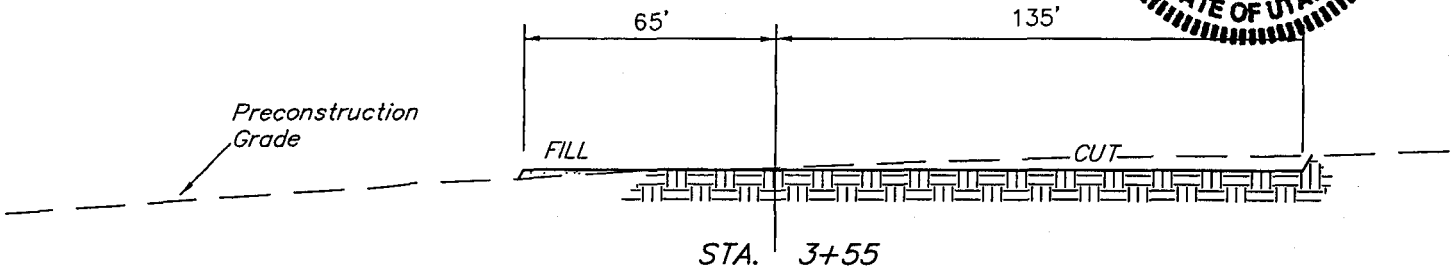
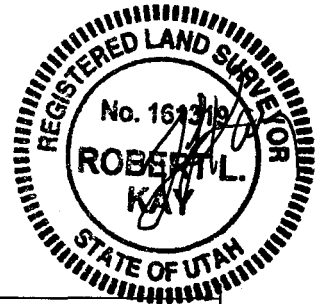
SECTION 19, T10S, R20E, S.L.B.&M.

LOT 1

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 07-21-06

Drawn By: L.K.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

TOTAL CUT = 4,070 CU.YDS.  
FILL = 1,040 CU.YDS.

EXCESS MATERIAL = 3,030 Cu. Yds.  
Pit Backfill = 1,690 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 1,340 Cu. Yds.  
(After Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# DOMINION EXPLR. & PROD., INC.

RBU #19-19F, #20-19F & #17-24E

LOCATED IN UINTAH COUNTY, UTAH

SECTION 19, T10S, R20E, S.L.B.&M.

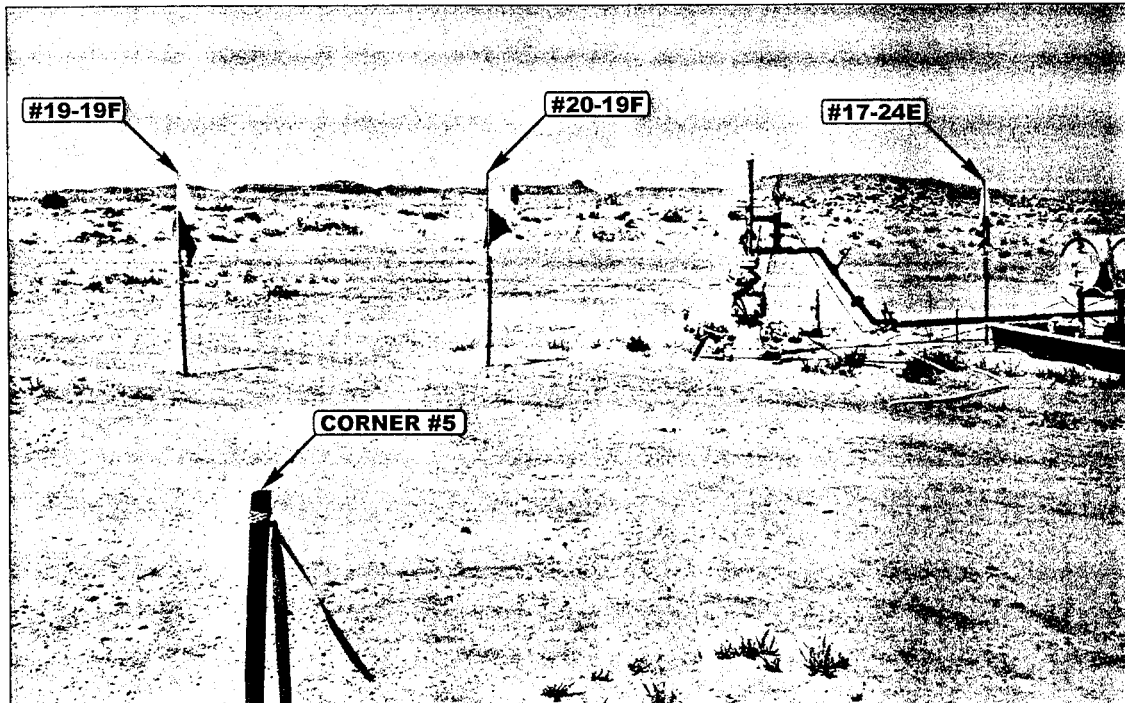


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHWESTERLY

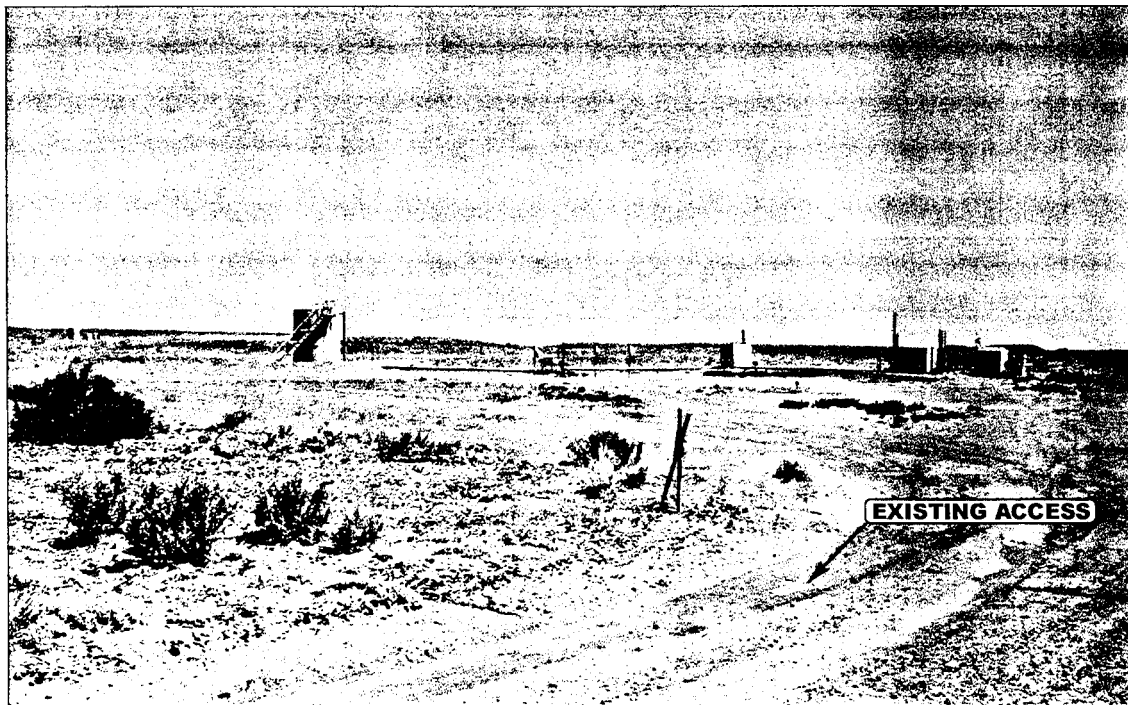


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS

Utah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078  
435-789-1017 ueis@ueisinc.com

LOCATION PHOTOS

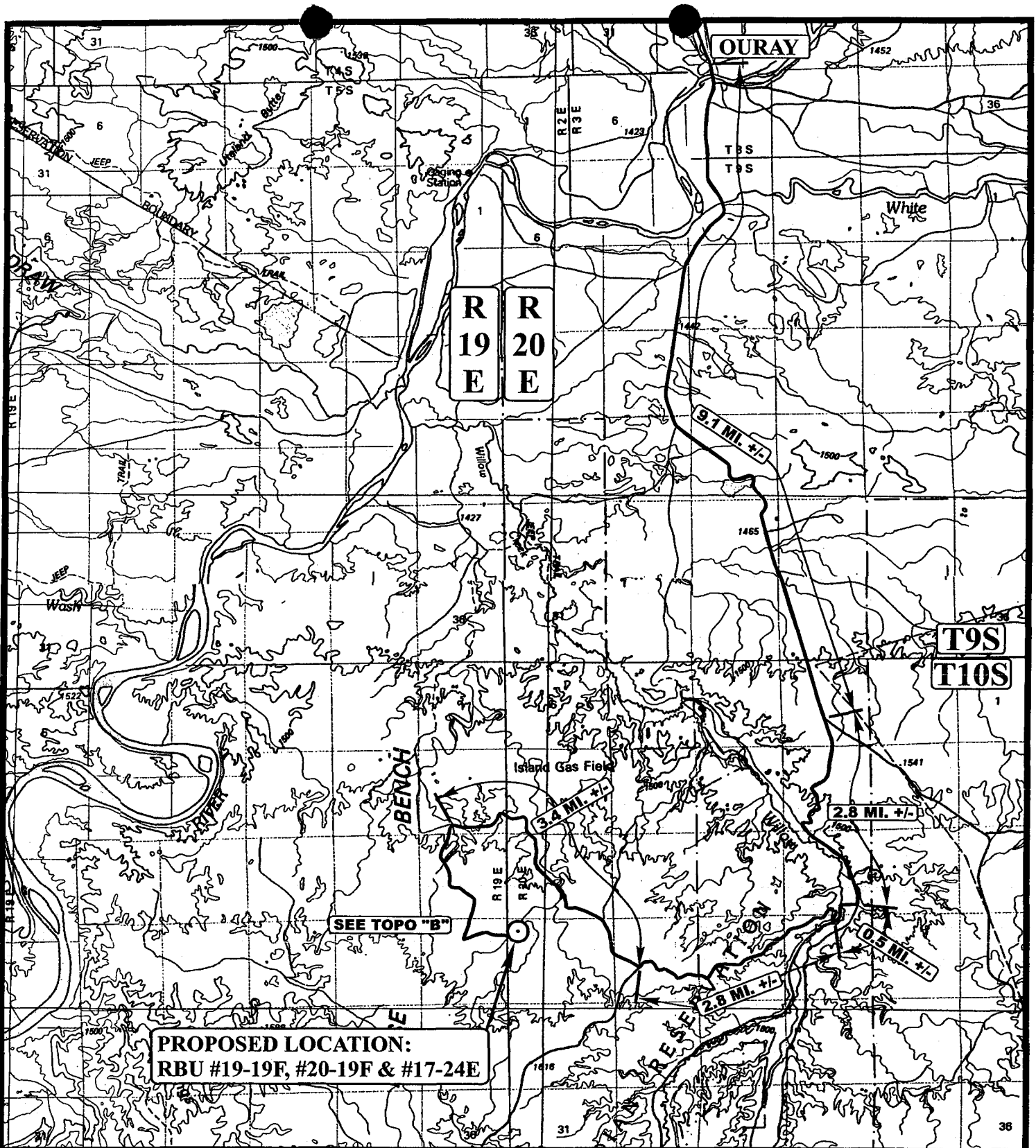
07 18 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: B.C.

REVISED: 00-00-00



# **LEGEND:**

○ PROPOSED LOCATION

**DOMINION EXPLR. & PROD., INC.**

RBV #19-19F, #20-19F & #17-24E  
SECTION 19, T10S, R20E, S.L.B.&M.  
LOT 1



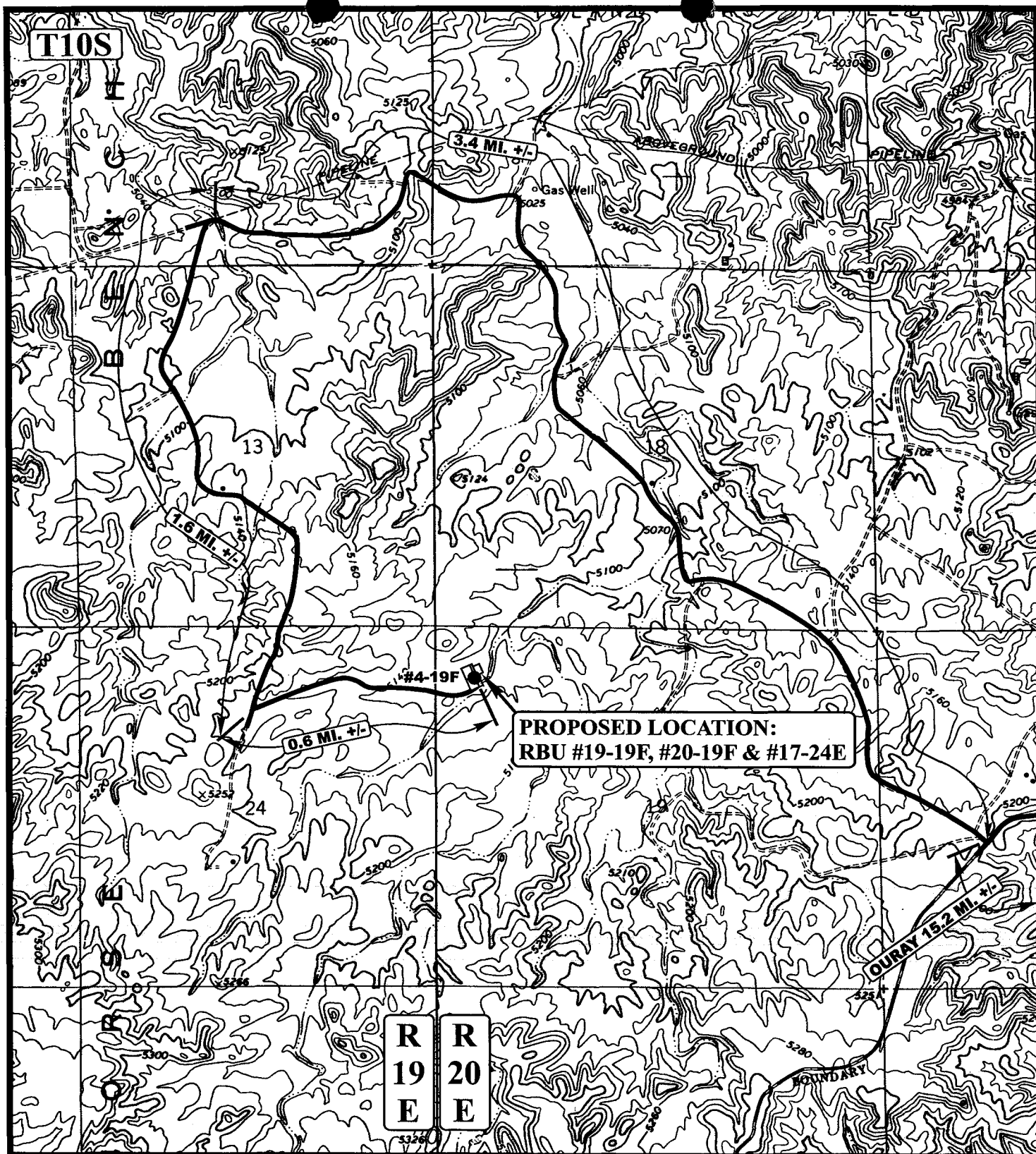
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
MAP

**07 18 06**  
MONTH DAY YEAR

SCALE: 1:100,000 | DRAWN BY: B.C. | REVISED: 00-00-00





# **LEGEND:**

————— EXISTING ROAD

N

**DOMINION EXPLR. & PROD., INC.**

**RBU #19-19F, #20-19F & #17-24E  
SECTION 19, T10S, R20E, S.L.B.&M.  
LOT 1**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**07 18 06**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00

**B  
TOPO**

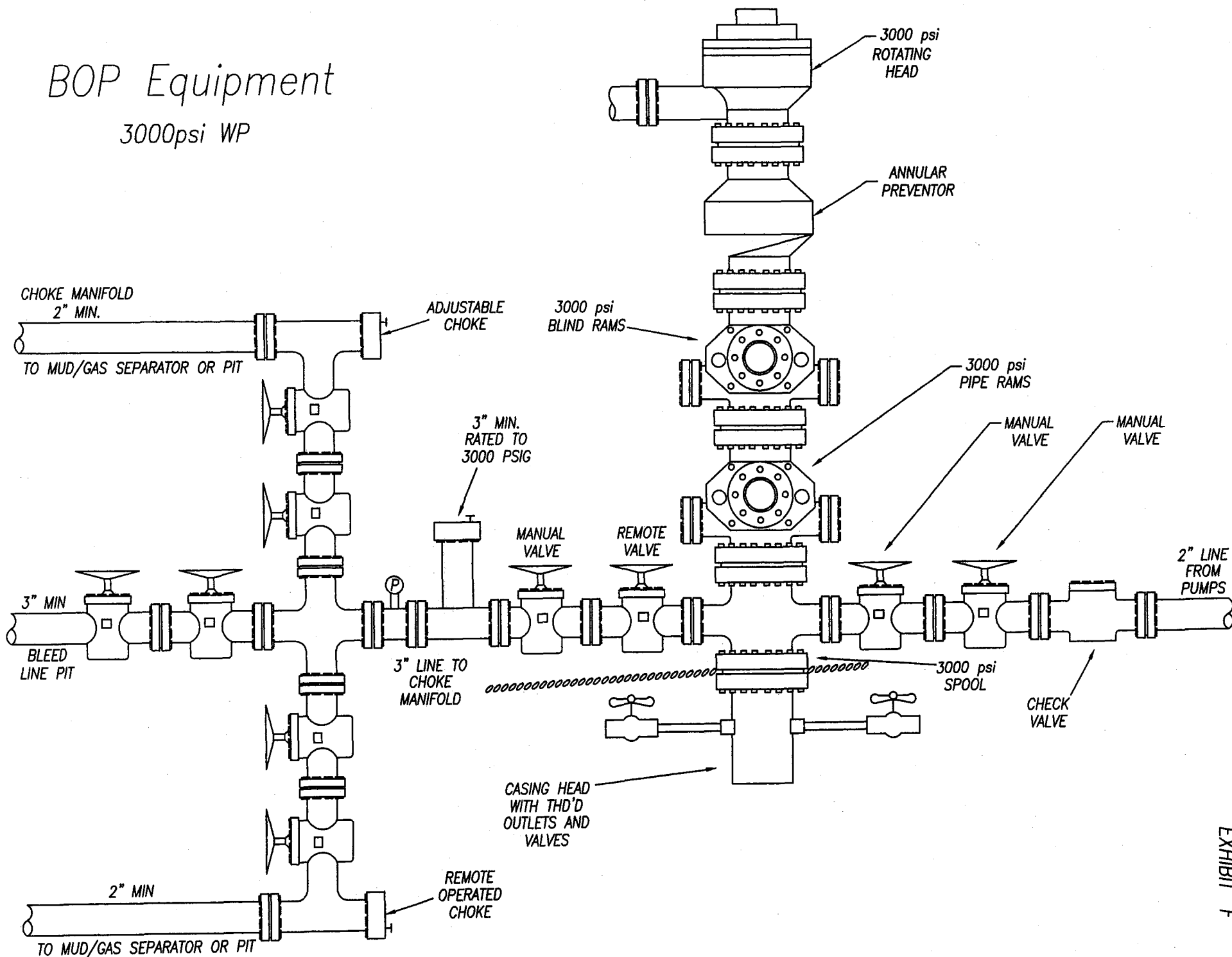






# BOP Equipment

3000psi WP



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/31/2006

API NO. ASSIGNED: 43-047-38552

WELL NAME: RBU 20-19F

OPERATOR: DOMINION EXPL & PROD ( N1095 )

CONTACT: DON HAMILTON

PHONE NUMBER: 405-749-5263

PROPOSED LOCATION:

NWNW 19 100S 200E

SURFACE: 0721 FNL 0554 FWL

BOTTOM: 1700 FNL 0200 FWL

COUNTY: UTAH

LATITUDE: 39.93818 LONGITUDE: -109.7190

UTM SURF EASTINGS: 609452 NORTHINGS: 4421472

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: U 013769-A

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WY 3322 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-10447 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

\_\_\_ R649-2-3.  
Unit: RIVER BEND  
\_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells  
\_\_\_ R649-3-3. Exception  
☒ Drilling Unit  
Board Cause No: 259-01  
Eff Date: 8-18-06  
Siting: Suspends R649-3-11  
\_\_\_ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- Lease Agreement  
2- Oil Shale



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

September 19, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development River Bend Unit Uintah County,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the River Bend Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MesaVerde)		
43-047-38582	RBU 17-10E Sec 10 T10S R19E 0477 FNL 1390 FEL BHL Sec 10 T10S R19E 1000 FNL 0465 FEL	
43-047-38584	RBU 27-10E Sec 10 T10S R19E 0723 FSL 2350 FEL BHL Sec 10 T10S R19E 1350 FSL 2500 FEL	
43-047-38585	RBU 26-10E Sec 10 T10S R19E 1995 FSL 1184 FEL BHL Sec 10 T10S R19E 2250 FSL 2100 FEL	
43-047-38586	RBU 25-10E Sec 10 T10S R19E 2013 FSL 1160 FEL BHL Sec 10 T10S R19E 1450 FSL 0200 FEL	
43-047-38587	RBU 23-10E Sec 10 T10S R19E 2007 FSL 1168 FEL BHL Sec 10 T10S R19E 2350 FNL 1350 FEL	
43-047-38588	RBU 22-10E Sec 10 T10S R19E 2064 FNL 1241 FWL BHL Sec 10 T10S R19E 2400 FNL 2300 FWL	
43-047-38543	RBU 28-18F Sec 13 T10S R19E 1640 FSL 0901 FEL BHL Sec 18 T20S R20E 1600 FSL 0100 FWL	
43-047-38544	RBU 18-24E Sec 13 T10S R19E 0143 FSL 1844 FEL	

BHL Sec 24 T10S R19E 0550 FNL 1550 FEL

Page 2

43-047-38545 RBU 19-24E Sec 13 T10S R19E 0159 FSL 1855 FEL  
BHL Sec 24 T10S R19E 0150 FNL 2550 FWL

43-047-38546 RBU 25-13E Sec 13 T10S R19E 2418 FSL 2023 FEL  
BHL Sec 13 T10S R19E 2700 FNL 1050 FEL

43-047-38547 RBU 31-13E Sec 13 T10S R19E 2433 FSL 2036 FEL  
BHL Sec 13 T10S R19E 1350 FSL 2400 FEL

43-047-38589 RBU 21-14E Sec 14 T10S R19E 2240 FSL 0210 FWL  
BHL Sec 14 T10S R19E 2500 FNL 0050 FWL

43-047-38590 RBU 27-14E Sec 14 T10S R19E 2230 FSL 0209 FWL  
BHL Sec 14 T10S R19E 2550 FSL 1300 FWL

43-047-38592 RBU 24-14E Sec 14 T10S R19E 1257 FNL 0432 FEL  
BHL Sec 14 T10S R19E 1300 FNL 1250 FEL

43-047-38593 RBU 23-14E Sec 14 T10S R19E 2375 FNL 2360 FWL  
BHL Sec 14 T10S R19E 1450 FNL 2350 FEL

43-047-38595 RBU 31-10E Sec 15 T10S R19E 0305 FNL 1324 FEL  
BHL Sec 10 T10S R19E 0200 FSL 1450 FEL

43-047-38596 RBU 17-15E Sec 15 T10S R19E 0320 FNL 1324 FEL  
BHL Sec 15 T10S R19E 1350 FNL 1200 FEL

43-047-38597 RBU 18-15E Sec 15 T10S R19E 0125 FNL 1570 FWL  
BHL Sec 15 T10S R19E 1000 FNL 2100 FWL

43-047-38598 RBU 20-14E Sec 15 T10S R19E 1821 FNL 0532 FEL  
BHL Sec 14 T10S R19E 1100 FNL 0100 FWL

43-047-38554 RBU 21-18F Sec 18 T10S R20E 2379 FSL 0834 FWL  
BHL Sec 18 T10S R20E 2450 FNL 0050 FWL

43-047-38555 RBU 27-18F Sec 18 T10S R20E 0902 FSL 2032 FWL  
BHL Sec 18 T10S R20E 1500 FSL 2700 FWL

43-047-38556 RBU 27-18F2 Sec 18 T10S R20E 0888 FSL 2005 FWL  
BHL Sec 18 T10S R20E 1500 FSL 1300 FWL

43-047-38557 RBU 30-18F Sec 18 T10S R20E 0897 FSL 2023 FWL  
BHL Sec 18 T10S R20E 0250 FSL 2800 FWL

43-047-38558 RBU 29-18F Sec 18 T10S R20E 0884 FSL 1996 FWL  
BHL Sec 18 T10S R20E 0150 FSL 1200 FWL

43-047-28549 RBU 17-24E Sec 19 T10S R20E 0703 FNL 0546 FWL  
BHL Sec 24 T10S R19E 0100 FNL 0150 FEL

43-047-38550 RBU 18-19F Sec 19 T10S R20E 0650 FNL 3147 FWL  
BHL Sec 19 T10S R20E 0050 FNL 2400 FEL

Page 3

43-047-38551 RBU 19-19F Sec 19 T10S R20E 0730 FNL 0558 FWL  
BHL Sec 19 T10S R20E 1400 FNL 1500 FWL

43-047-38552 RBU 20-19F Sec 19 T10S R20E 0721 FNL 0554 FWL  
BHL Sec 19 T10S R20E 1700 FNL 0200 FWL

43-047-38553 RBU 23-19F Sec 19 T10S R20E 0654 FNL 3156 FWL  
BHL Sec 19 T10S R20E 1450 FNL 2850 FEL

43-047-38548 RBU 32-13E Sec 13 T10S R19E 1624 FSL 0913 FEL  
BHL Sec 13 T10S R19E 1050 FSL 1550 FEL

43-047-38583 RBU 18-10E Sec 10 T10S R19E 0471 FNL 1409 FEL  
BHL Sec 10 T10S R19E 1350 FNL 1300 FEL

43-047-38591 RBU 25-14E Sec 14 T10S R19E 1380 FSL 0721 FEL  
BHL Sec 14 T10S R19E 2300 FSL 1250 FEL

43-047-38594 RBU 30-10E Sec 15 T10S R19E 0123 FNL 1590 FWL  
BHL Sec 10 T10S R19E 0300 FSL 2400 FWL

Our records indicate the RBU 25-10E is closer than 460 feet from the River Bend Unit boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – River Bend Unit  
Division of Oil Gas and Mining



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 25, 2006

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

Re: River Bend Unit 20-19F Well, Surface Location 721' FNL, 554' FWL, NW NW,  
Sec. 19, T. 10 South, R. 20 East, Bottom Location 1700' FNL, 200' FWL,  
SW NW, Sec. 19, T. 10 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38552.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office

**Operator:** Dominion Exploration & Production, Inc.  
**Well Name & Number** River Bend Unit 20-19F  
**API Number:** 43-047-38552  
**Lease:** U 013769-A

**Surface Location:** NW NW      **Sec.** 19      **T.** 10 South      **R.** 20 East  
**Bottom Location:** SW NW      **Sec.** 19      **T.** 10 South      **R.** 20 East

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

CONFIDENTIAL

2. Name of Operator

Dominion Exploration & Production, Inc.

3a. Address

Suite 600

14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)

(405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

721' FNL & 554' FWL, NW NW, Section 19-10S-20E

1,700' FNL & 200' FWL, SW NW, Section 19-10S-20E

5. Lease Serial No.

U-013769-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

River Bend Unit

8. Well Name and No.

RBU 20-19F

9. API Well No.

43-047-38552

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Plan
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Keri Pfeifer

Title Associate Regulatory Specialist

Signature

Keri Pfeifer

Date 11/06/2006

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

NOV 16 2006

DIV. OF OIL, GAS & MINING

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-19F  
SHL: 721' FNL & 554' FWL Section 19-10S-20E  
BHL: 1700' FNL & 200' FWL Section 19-10S-20E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,389'
Uteland Limestone	4,744'
Wasatch	4,904'
Chapita Wells	5,809'
Uteland Buttes	7,039'
Mesaverde	7,909'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,389'	Oil
Uteland Limestone	4,744'	Oil
Wasatch	4,904'	Gas
Chapita Wells	5,809'	Gas
Uteland Buttes	7,039'	Gas
Mesaverde	7,909'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,739'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,809'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,739'	8.6	Fresh water, rotating head and diverter
3,739' – 8,809	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,739'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	445	0'-3,239'	10.5 ppg	4.14 CFS	1057 CF	1,842 CF
Tail	254	3,239-3,739'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,809'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	4,104-4,104'	11.5 ppg	3.12 CFS	139.CF	277 CF
Tail	780	4,904'-8,809'	13.0 ppg	1.75 CFS	677 CF	1353 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: November 1, 2006  
Duration: 14 Days

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on Reverse Side**

RECEIVED

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

NOV - 9 2006

2. Name of Operator

Dominion Exploration & Production, Inc.

BLM VERNAL, UTAH

3a. Address

Suite 600  
14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)

(405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

721' FNL & 554' FWL, NW NW, Section 19-10S-20E  
1,700' FNL & 200' FWL, SW NW, Section 19-10S-20E

5. Lease Serial No.

U-013769-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

River Bend Unit

8. Well Name and No.

RBU 20-19F

9. API Well No.

43-047-38552

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Plan
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.

VERNAL DIST.

ENG. \_\_\_\_\_

GEOL. \_\_\_\_\_

E.S. \_\_\_\_\_

PET. \_\_\_\_\_

A.M. \_\_\_\_\_

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Keri Pfeifer

Title Associate Regulatory Specialist

Signature

*Keri Pfeifer*

Date 11/06/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*James F. Ashley*

Petroleum Engineer

Title

DEC 06 2006

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

DEC 21 2006

DIV. OF OIL, GAS & MINING

UD006

DJ

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### Attachment for Permit to Drill

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** RBU 20-19F  
SHL: 721' FNL & 554' FWL Section 19-10S-20E  
BHL: 1700' FNL & 200' FWL Section 19-10S-20E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	4,389'
Uteland Limestone	4,744'
Wasatch	4,904'
Chapita Wells	5,809'
Uteland Buttes	7,039'
Mesaverde	7,909'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	4,389'	Oil
Uteland Limestone	4,744'	Oil
Wasatch	4,904'	Gas
Chapita Wells	5,809'	Gas
Uteland Buttes	7,039'	Gas
Mesaverde	7,909'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,739'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,809'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set.. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,739'	8.6	Fresh water, rotating head and diverter
3,739' – 8,809	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' from the wellhead.

#### 8. AUXILIARY EQUIPMENT TO BE USED

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl<sub>2</sub> and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

##### b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,739'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	445	0'-3,239'	10.5 ppg	4.14 CFS	1057 CF	1,842 CF
Tail	254	3,239-3,739'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 4.14 cf/sack      Slurry weight: 10.5 #/gal.  
Water requirement: 26.07 gal/sack  
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.  
Slurry yield: 1.20 cf/sack      Slurry weight: 15.6 #/gal.  
Pump Time: 1 hr. 5 min. @ 110 °F.  
Compressives @ 110 °F: 2,500 psi after 24 hours

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,809'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	4,104-4,104'	11.5 ppg	3.12 CFS	139.CF	277 CF
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Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: November 1, 2006  
Duration: 14 Days



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on Reverse Side**

RECEIVED

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

NOV - 9 2006

2. Name of Operator

Dominion Exploration & Production, Inc.

BLM VERNAL, UTAH

3a. Address

Suite 600

14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)

(405) 749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

721' FNL & 554' FWL, NW NW, Section 19-10S-20E

1,700' FNL & 200' FWL, SW NW, Section 19-10S-20E

5. Lease Serial No.

U-013769-A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

River Bend Unit

8. Well Name and No.

RBU 20-19F

9. API Well No.

43-047-38552

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

**TYPE OF SUBMISSION**

☒

Notice of Intent

☐

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**

☐

Acidize

☐

Altering Casing

☐

Casing Repair

☐

Change Plans

☐

Convert to Injection

☐

Deepen

☐

Fracture Treat

☐

New Construction

☐

Plug and Abandon

☐

Plug Back

☐

Production (Start/Resume)

☐

Reclamation

☐

Recomplete

☐

Temporarily Abandon

☐

Water Disposal

☐

Water Shut-Off

☐

Well Integrity

☒

Other

Drilling Plan

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please find attached a new drilling plan. Previous plan submitted with APD showed formation tops at TVD, the corrected plan shows measured depth.

VERNAL DIST.

ENG. \_\_\_\_\_

GEOL. \_\_\_\_\_

E.S. \_\_\_\_\_

PET. \_\_\_\_\_

A.M. \_\_\_\_\_

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Keri Pfeifer

Title Associate Regulatory Specialist

Signature

Keri Pfeifer

Date 11/06/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

James F. Ashley

Petroleum Engineer

Title

Date

DEC 06 2006

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL ATTACHED  
NOTICE OF APPROVAL

DF



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Dominion Expl. & Prod., Inc.  
Well No: RBU 20-19F  
API No: 43-047-38552

Location: Lot 2, Sec 19, T10S, R20E  
Lease No: UTU-013769-A  
Agreement: River Bend Unit

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Jim Ashley	Office: 435-781-4470	Cell: 435-838-7874
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After Hours Contact Number: 435-781-4513</b>		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- |   |   |  |
|---|---|--|
| Location Construction<br>(Notify Karl Wright)           | - | Forty-Eight (48) hours prior to construction of location and access roads.   |
| Location Completion<br>(Notify Karl Wright)             | - | Prior to moving on the drilling rig.   |
| Spud Notice<br>(Notify Matt Baker)                      | - | Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify Jamie Sparger)     | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings.   |
| BOP & Related Equipment Tests<br>(Notify Jamie Sparger) | - | Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify Matt Baker)          | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs

1. **RBU 19-19F** : The access route will be rerouted around the East and South edge of the pad. No fill will be allowed to fall into the drainage. This reroute will be approximately 200 feet. The road will be returned to its present location upon reclaiming the pit.
2. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee will submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the area using appropriate reclamation methods.
3. The interim seed mix for reclamation will be:

Hy-crest Crested Wheatgrass	4. <i>Agropyron cristatum</i>	5. 4 lbs per acre
Western Wheatgrass	6. <i>Agropyron smithii</i>	7. 4 lbs per acre
Needle and Threadgrass	8. <i>Stipa comata</i>	9. 4 lbs per acre
4. If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
5. Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.
2. Variance granted: Eighty foot long blooie line approved.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).

6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.
7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.  
  
All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
- 15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
- 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

RECEIVED

SEP 10 2007

FORM 9

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A
2. NAME OF OPERATOR: XTO Energy		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: River Bend Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 721' FNL & 554' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S		8. WELL NAME and NUMBER: RBU 20-19F
PHONE NUMBER: (435) 722-4521		9. API NUMBER: 4304738552
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
		COUNTY: Uintah
		STATE: UTAH

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

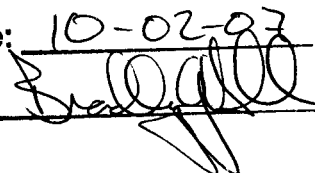
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Permit Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

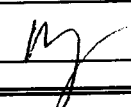
XTO Energy. hereby requests a one year extension of the state permit for the referenced well.

This is the first extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-02-07  
By: 

10-3-07  
Rm

NAME (PLEASE PRINT) Marnie Griffin TITLE Agent for XTO Energy  
SIGNATURE  DATE 9/7/2007

(This space for State use only)



RECEIVED

SEP 10 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738552  
Well Name: RBU 20-19F  
Location: 19-10S-20E 721' FNL & 554' FWL  
Company Permit Issued to: XTO Energy  
Date Original Permit Issued: 9/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

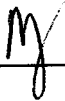
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Signature



9/7/2007

Date

Title: Agent

Representing: XTO Energy

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

ROUTING	
1. DJJ	
2. CDW	

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**7/1/2007**

<b>FROM: (Old Operator):</b> N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134  Phone: 1 (405) 749-1300	<b>TO: ( New Operator):</b> N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102  Phone: 1 (817) 870-2800
--	--

CA No.				Unit:		RIVER BEND		
WELL NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
  - Indian well(s) covered by Bond Number: n/a
  - a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
  - b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
- The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: XTO Energy Inc. <i>N 2615</i>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED	8. WELL NAME and NUMBER: SEE ATTACHED
PHONE NUMBER: (817) 870-2800	9. API NUMBER: SEE ATTACHED
COUNTY: Uintah	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
STATE: UTAH	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

*N 1095*

*James D. Abercrombie*  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit  
*(405) 749-1300*

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) Edwin S. Ryan, Jr. TITLE Sr. Vice President - Land Administration  
SIGNATURE *Edwin S. Ryan, Jr.* DATE 7/31/2007

(This space for State use only)

APPROVED *9127107*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED  
AUG 06 2007  
DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	SEE ATTACHED LIST
API number:	
Location:	Qtr-Qtr:      Section:      Township:      Range
Company that filed original application:	DOMINION E&P
Date original permit was issued:	
Company that permit was issued to:	DOMINION E&P

Check one	Desired Action:
<input type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
<input type="checkbox"/>	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>104312762</u>	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) HOLLY C. PERKINS Title REGULATORY COMPLIANCE TECH  
Signature *Holly C. Perkins* Date 08/27/2007  
Representing (company name) XTO ENERGY INC.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

AUG 30 2007

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well name	qtr	qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304736202	RBU 2-20E	NWNE	20	100S	190E	U-03505			Federal	GW	APD
4304736203	RBU 15-20E	SWSE	20	100S	190E	U-03505			Federal	GW	APD
4304736204	RBU 10-20E	NWSE	20	100S	190E	U-03505			Federal	GW	APD
4304736205	RBU 14-21E	SESW	21	100S	190E	U-013766			Federal	GW	APD
4304736295	RBU 10-21E	NWSE	21	100S	190E	U-013766			Federal	GW	APD
4304736426	RBU 7-9E	NWSE	09	100S	190E	U-03505			Federal	GW	APD
4304736430	RBU 16-20E	SESE	20	100S	190E	U-03505			Federal	GW	APD
4304736431	RBU 13-21E	SESE	20	100S	190E	U-013766			Federal	GW	APD
4304736606	RBU 14-11F	SESW	11	100S	200E	U-7206			Federal	GW	APD
4304737032	RBU 1-4E	NENE	04	100S	190E	U-013792			Federal	GW	APD
4304737423	RBU 2-21F	SWSE	16	100S	200E	U-013793-A			Federal	OW	APD
4304737569	RBU 14-15F	SESW	15	100S	200E	U-7206			Federal	OW	APD
4304737648	RBU 6-4E	SWNE	04	100S	190E	U-013792			Federal	GW	APD
4304737649	RBU 12-17E	NWSW	17	100S	190E	U-03505			Federal	GW	APD
4304737650	RBU 13-17E	SWSW	17	100S	190E	U-03505			Federal	GW	APD
4304737651	RBU 6-23E	SENE	23	100S	190E	U-013766			Federal	GW	APD
4304737652	RBU 7-16F	SWNE	16	100S	200E	U-7206			Federal	GW	APD
4304737748	RBU 14-16F	SWSE	16	100S	200E	U-7206			Federal	GW	APD
4304738341	RBU 15-21E	SWSE	21	100S	190E	U 013766			Federal	GW	APD
4304738544	RBU 18-24E	SWSE	13	100S	190E	U 013794			Federal	GW	APD
4304738545	RBU 19-24E	SWSE	13	100S	190E	U 013794			Federal	GW	APD
4304738546	RBU 25-13E	NWSE	13	100S	190E	U-013765			Federal	GW	APD
4304738547	RBU 31-13E	NWSE	13	100S	190E	U-013765			Federal	GW	APD
4304738549	RBU 17-24E	NWNW	19	100S	200E	U-013794			Federal	GW	APD
4304738550	RBU 18-19F	NENW	19	100S	200E	U 013769-A			Federal	GW	APD
4304738551	RBU 19-19F	NWNW	19	100S	200E	U 013769-A			Federal	GW	APD
4304738552	RBU 20-19F	NWNW	19	100S	200E	U 013769-A			Federal	GW	APD
4304738553	RBU 23-19F	NENW	19	100S	200E	U013769-A			Federal	GW	APD
4304738554	RBU 21-18F	NWSW	18	100S	200E	U013769-A			Federal	GW	APD
4304738582	RBU 17-10E	NWNE	10	100S	190E	U-013792			Federal	GW	APD
4304738583	RBU 18-10E	NWNE	10	100S	190E	U-013792			Federal	GW	APD
4304738584	RBU 27-10E	SWSE	10	100S	190E	U-013792			Federal	GW	APD
4304738585	RBU 26-10E	NESE	10	100S	190E	U-013792			Federal	GW	APD
4304738586	RBU 25-10E	NESE	10	100S	190E	U-013792			Federal	GW	APD
4304738587	RBU 23-10E	NESE	10	100S	190E	U-013792			Federal	GW	APD
4304738588	RBU 22-10E	SWNW	10	100S	190E	U-035316			Federal	GW	APD
4304738589	RBU 21-14E	NWSW	14	100S	190E	U-013792			Federal	GW	APD
4304738590	RBU 27-14E	NWSW	14	100S	190E	U-013792			Federal	GW	APD
4304738591	RBU 25-14E	NESE	14	100S	190E	U-013792			Federal	GW	APD
4304738592	RBU 24-14E	NENE	14	100S	190E	U-013792			Federal	GW	APD
4304738593	RBU 23-14E	SENE	14	100S	190E	U-013792			Federal	GW	APD
4304738594	RBU 30-10E	NENW	15	100S	190E	U-013792			Federal	GW	APD
4304738597	RBU 18-15E	NENW	15	100S	190E	U-013766			Federal	GW	APD
4304738598	RBU 20-14E	SENE	15	100S	190E	U-013792			Federal	GW	APD



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: River Bend Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED  
AUG 16 2007  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **XTO Energy, Inc.**

3a. Address  
**PO Box 1360; 978 North Crescent, Roosevelt, UT 84066**

3b. Phone No. (include area code)  
**435-722-4521**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**721' FNL & 554' FWL, Lot 1 (NW/4 NW/4), Section 19, T10S, R20E, SLB&M**

5. Lease Serial No.  
**U 013769-A**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**River Bend Unit**

8. Well Name and No.  
**RBU 20-19F**

9. API Well No.  
**4304738552**

10. Field and Pool, or Exploratory Area  
**Natural Buttes**

11. County or Parish, State  
**Utah County, Utah**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other <u>Permit Extension</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO Energy hereby requests a one year extension of the federal permit for the referenced well that expires on 12-7-07.

This is the first extension that has been requested. The federal permit was formerly in the name of Dominion Exploration & Production, Inc.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Don Hamilton**

Title **Agent for XTO Energy, Inc.**

Signature

*Don Hamilton*

Date

**10-10-2007**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

**Petroleum Engineer**

Date **OCT 22 2007**

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**NOV 07 2007 CONDITIONS OF APPROVAL ATTACHED**

**DIV. OF OIL, GAS & MINING**

**UDOGM**

# **CONDITIONS OF APPROVAL**

## **XTO Energy, Inc.**

### **Notice of Intent APD Extension**

**Lease:** UTU-013769-A  
**Well:** RBU 20-19F  
**Location:** NWNW Sec 19-T10S-R20E

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 12/7/08.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Ryan Angus of this office at (435) 781-4430



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator **XTO ENERGY INC.**

3a. Address  
**382 CR 3100, AZTEC, NM 87410**

3b. Phone No. (include area code)  
**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**721' FNL & 554' FWL NWNW SEC 19, T10S, R20E, SLB&M**

5. Lease Serial No.  
**U 013769A**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**RIVERBEND UNIT**

8. Well Name and No.  
**RBW 20-19F**

9. API Well No.  
**43-047-38552**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**

11. County or Parish, State  
**UINTAH, UT**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> After Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**XTO Energy Inc. proposes to change elements of the drilling program as detailed in the attached documents.**

**COPY SENT TO OPERATOR**

Date: **6-17-2008**  
Initials: **KS**

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: **6/13/08**  
By: **[Signature]**

Federal Approval Of This  
Action Is Necessary

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>WANETT MCCAULEY</b>		Title <b>FILE CLERK</b>
Signature <b>Wanett McCauley</b>		Date <b>05/27/2008</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**

**JUN 02 2008**

**DIV. OF OIL, GAS & MINING**

**DOG-M Copy**

# XTO ENERGY INC.

RBV 20-19F

APD Data

May 23, 2008

Location: 721' FNL & 554' FWL, Sec. 19, T10S, R20E County: Uintah

State: Utah

Bottomhole Location: 1700' FNL & 200' FWL, Sec. 19, T10S, R20E

GREATEST PROJECTED TD: 8690' MD/ 8550' TVD  
APPROX GR ELEV: 5133'

OBJECTIVE: Wasatch/Mesaverde  
Est KB ELEV: 5147' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2264'	2264' to 8690'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80	8.6-9.2
VISCOSITY	NC	30-60
WATER LOSS	NC	8-15

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

## 2. CASING PROGRAM:

Surface Casing: 9.625" casing set at  $\pm 2264'$  MD/2200' TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2264'	2264'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.83

Production Casing: 5.5" casing set at  $\pm 8690'$  MD/8550' TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8690'	8690'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.94	2.39	2.36

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

## 3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

## 4. CEMENT PROGRAM:

- A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at  $\pm 2264'$  in 12.25" hole.

### LEAD:

$\pm 224$  sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft<sup>3</sup>/sk, 22.95 gal wtr/sx.

TAIL:

350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

*Total estimated slurry volume for the 9.625" intermediate casing is 1275.0 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2264'.*

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8690' in 7.875" hole.

LEAD:

±266 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft<sup>3</sup>/sk, 17.71 gal wtr/sx.

TAIL:

400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

*Total estimated slurry volume for the 5.5" production casing is 1420.7 ft<sup>3</sup>. Slurry includes 15% excess of calculated open hole annular volume.*

*Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1764' top of cement.*

**5. LOGGING PROGRAM:**

- A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8690') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8690') to 2264'. Run Gamma Ray to surface.

**8. BOP EQUIPMENT:**

Surface will not utilize a bop stack.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed:
- b. whenever any seal subject to test pressure is broken
- c. following related repairs: and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

- Annular BOP -- 1500 psi
- Ram type BOP -- 3000 psi
- Kill line valves -- 3000 psi
- Choke line valves and choke manifold valves -- 3000 psi
- Chokes -- 3000 psi
- Casing, casinghead & weld -- 1500 psi
- Upper kelly cock and safety valve -- 3000 psi
- Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram.
- b. A choke line and a kill line are to be properly installed.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

e. See attached BOP & Choke manifold diagrams.

9. **COMPANY PERSONNEL:**

<b><u>Name</u></b>	<b><u>Title</u></b>	<b><u>Office Phone</u></b>	<b><u>Home Phone</u></b>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Glen Christiansen	Project Geologist	817-885-2800	



# Well Name: RBU 20-19F

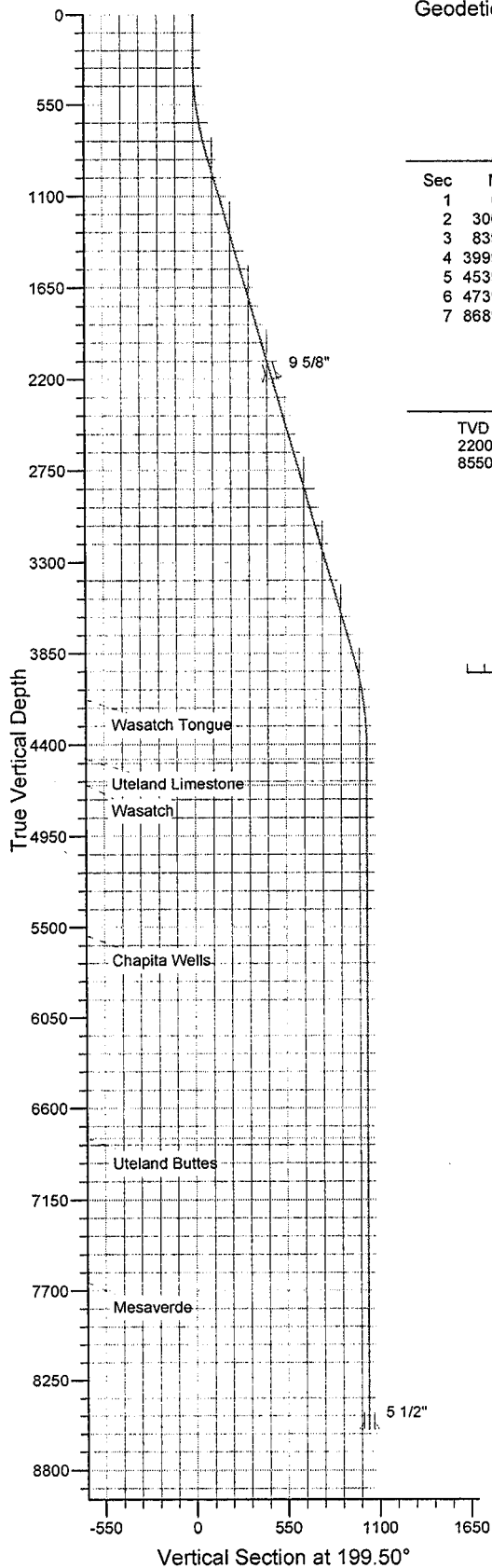
San Juan Basin  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 39° 56' 17.560 N  
Long: 109° 43' 10.870 W



Azimuths to True North  
Magnetic North: 11.54°

Magnetic Field  
Strength: 52592.2nT  
Dip Angle: 65.86°  
Date: 5/21/2008  
Model: IGRF200510



## SECTION DETAILS

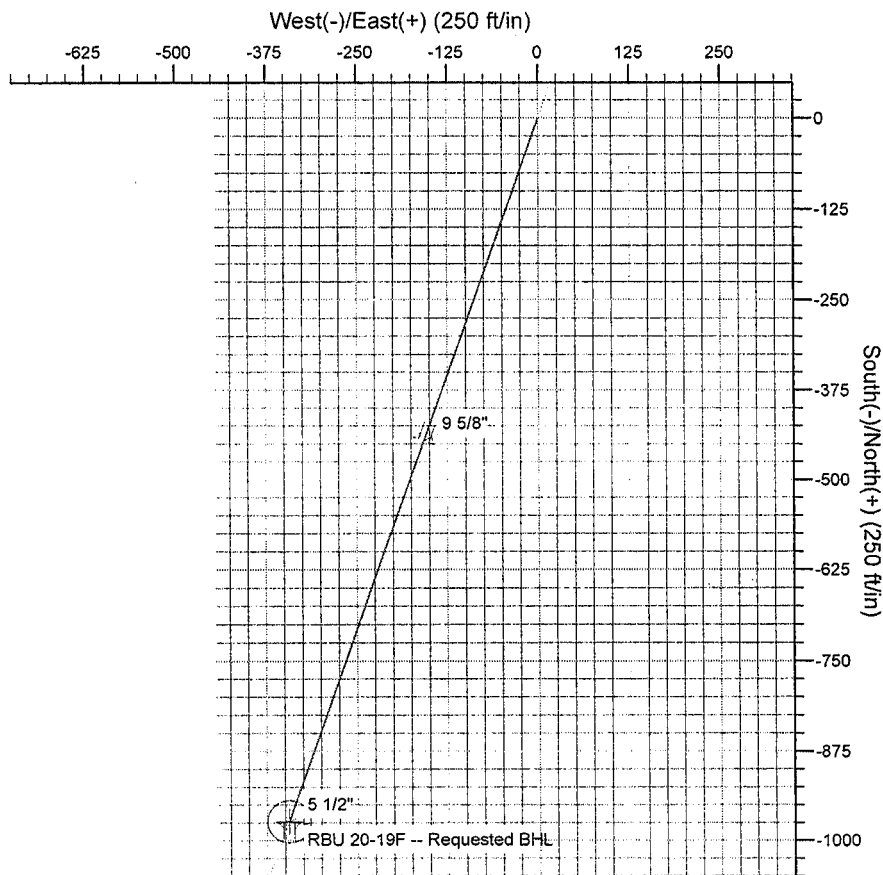
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	839.7	16.19	199.50	832.6	-71.4	-25.3	3.00	199.50	75.8	
4	3999.9	16.19	199.50	3867.4	-902.1	-319.4	0.00	0.00	957.0	
5	4539.7	0.00	0.00	4400.0	-973.5	-344.7	3.00	180.00	1032.8	
6	4739.7	0.00	0.00	4600.0	-973.5	-344.7	0.00	0.00	1032.8	RBU 20-19F -- Requested BHL
7	8689.7	0.00	0.00	8550.0	-973.5	-344.7	0.00	0.00	1032.8	

## CASING DETAILS

TVD	MD	Name	Size
2200.0	2263.6	9 5/8"	9-5/8
8550.0	8689.7	5 1/2"	5-1/2

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4130.0	4268.8	Wasatch Tongue
4485.0	4624.7	Uteland Limestone
4645.0	4784.7	Wasatch
5550.0	5689.7	Chapita Wells
6780.0	6919.7	Uteland Buttes
7650.0	7789.7	Mesaverde



# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**RBU 4-19F**

**RBU 20-19F**

**RBU 20-19F**

**Plan: Sundry'd Wellbore**

## **Standard Planning Report**

**23 May, 2008**

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 4-19F  
**Well:** RBU 20-19F  
**Wellbore:** RBU 20-19F  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-19F  
**TVD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Natural Buttes Wells(NAD83), Vernal, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Utah Northern Zone		

<b>Site</b>	RBU 4-19F, T10S, R20E		
<b>Site Position:</b>		<b>Northing:</b>	3,141,986.24 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,139,717.24 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	39° 56' 17.560 N
		<b>Longitude:</b>	109° 43' 10.870 W
		<b>Grid Convergence:</b>	1.17 °

<b>Well</b>	RBU 20-19F, S-Well to Wasatch/Mesaverde		
<b>Well Position</b>	+N/-S	0.0 ft	<b>Northing:</b> 3,141,977.22 ft
	+E/-W	0.0 ft	<b>Easting:</b> 2,139,721.35 ft
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	5,133.0 ft
		<b>Latitude:</b>	39° 56' 17.470 N
		<b>Longitude:</b>	109° 43' 10.819 W
		<b>Ground Level:</b>	5,133.0 ft

<b>Wellbore</b>	RBU 20-19F		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>
	IGRF200510	5/21/2008	(°)
			11.54
			Dip Angle
			(°)
			65.86
			Field Strength
			(nT)
			52,592

<b>Design</b>	Sundry'd Wellbore		
<b>Audit Notes:</b>			
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b> 0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
	(ft)	(ft)	(ft)
	0.0	0.0	0.0
			<b>Direction</b>
			(°)
			199.50

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
839.7	16.19	199.50	832.6	-71.4	-25.3	3.00	3.00	0.00	199.50	
3,999.9	16.19	199.50	3,867.4	-902.1	-319.4	0.00	0.00	0.00	0.00	
4,539.7	0.00	0.00	4,400.0	-973.5	-344.7	3.00	-3.00	0.00	180.00	
4,739.7	0.00	0.00	4,600.0	-973.5	-344.7	0.00	0.00	0.00	0.00	RBU 20-19F -- Reque
8,689.7	0.00	0.00	8,550.0	-973.5	-344.7	0.00	0.00	0.00	0.00	



# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 4-19F  
**Well:** RBU 20-19F  
**Wellbore:** RBU 20-19F  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-19F  
**TVD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	199.50	400.0	-2.5	-0.9	2.6	3.00	3.00	0.00
500.0	6.00	199.50	499.6	-9.9	-3.5	10.5	3.00	3.00	0.00
600.0	9.00	199.50	598.8	-22.2	-7.8	23.5	3.00	3.00	0.00
700.0	12.00	199.50	697.1	-39.3	-13.9	41.7	3.00	3.00	0.00
800.0	15.00	199.50	794.3	-61.3	-21.7	65.1	3.00	3.00	0.00
839.7	16.19	199.50	832.6	-71.4	-25.3	75.8	3.00	3.00	0.00
900.0	16.19	199.50	890.5	-87.3	-30.9	92.6	0.00	0.00	0.00
1,000.0	16.19	199.50	986.5	-113.5	-40.2	120.5	0.00	0.00	0.00
1,100.0	16.19	199.50	1,082.5	-139.8	-49.5	148.3	0.00	0.00	0.00
1,200.0	16.19	199.50	1,178.6	-166.1	-58.8	176.2	0.00	0.00	0.00
1,300.0	16.19	199.50	1,274.6	-192.4	-68.1	204.1	0.00	0.00	0.00
1,400.0	16.19	199.50	1,370.6	-218.7	-77.4	232.0	0.00	0.00	0.00
1,500.0	16.19	199.50	1,466.7	-245.0	-86.7	259.9	0.00	0.00	0.00
1,600.0	16.19	199.50	1,562.7	-271.3	-96.1	287.8	0.00	0.00	0.00
1,700.0	16.19	199.50	1,658.7	-297.5	-105.4	315.7	0.00	0.00	0.00
1,800.0	16.19	199.50	1,754.8	-323.8	-114.7	343.5	0.00	0.00	0.00
1,900.0	16.19	199.50	1,850.8	-350.1	-124.0	371.4	0.00	0.00	0.00
2,000.0	16.19	199.50	1,946.8	-376.4	-133.3	399.3	0.00	0.00	0.00
2,100.0	16.19	199.50	2,042.9	-402.7	-142.6	427.2	0.00	0.00	0.00
2,200.0	16.19	199.50	2,138.9	-429.0	-151.9	455.1	0.00	0.00	0.00
2,263.6	16.19	199.50	2,200.0	-445.7	-157.8	472.8	0.00	0.00	0.00
<b>9 5/8"</b>									
2,300.0	16.19	199.50	2,234.9	-455.3	-161.2	483.0	0.00	0.00	0.00
2,400.0	16.19	199.50	2,331.0	-481.6	-170.5	510.9	0.00	0.00	0.00
2,500.0	16.19	199.50	2,427.0	-507.8	-179.8	538.7	0.00	0.00	0.00
2,600.0	16.19	199.50	2,523.0	-534.1	-189.1	566.6	0.00	0.00	0.00
2,700.0	16.19	199.50	2,619.1	-560.4	-198.4	594.5	0.00	0.00	0.00
2,800.0	16.19	199.50	2,715.1	-586.7	-207.8	622.4	0.00	0.00	0.00
2,900.0	16.19	199.50	2,811.1	-613.0	-217.1	650.3	0.00	0.00	0.00
3,000.0	16.19	199.50	2,907.2	-639.3	-226.4	678.2	0.00	0.00	0.00
3,100.0	16.19	199.50	3,003.2	-665.6	-235.7	706.1	0.00	0.00	0.00
3,200.0	16.19	199.50	3,099.2	-691.8	-245.0	733.9	0.00	0.00	0.00
3,300.0	16.19	199.50	3,195.3	-718.1	-254.3	761.8	0.00	0.00	0.00
3,400.0	16.19	199.50	3,291.3	-744.4	-263.6	789.7	0.00	0.00	0.00
3,500.0	16.19	199.50	3,387.3	-770.7	-272.9	817.6	0.00	0.00	0.00
3,600.0	16.19	199.50	3,483.4	-797.0	-282.2	845.5	0.00	0.00	0.00
3,700.0	16.19	199.50	3,579.4	-823.3	-291.5	873.4	0.00	0.00	0.00
3,800.0	16.19	199.50	3,675.4	-849.6	-300.8	901.3	0.00	0.00	0.00
3,900.0	16.19	199.50	3,771.4	-875.9	-310.1	929.1	0.00	0.00	0.00
3,999.9	16.19	199.50	3,867.4	-902.1	-319.4	957.0	0.00	0.00	0.00
4,100.0	13.19	199.50	3,964.2	-926.0	-327.9	982.4	3.00	-3.00	0.00
4,200.0	10.19	199.50	4,062.1	-945.1	-334.7	1,002.6	3.00	-3.00	0.00
4,268.8	8.13	199.50	4,130.0	-955.5	-338.3	1,013.6	3.00	-3.00	0.00
<b>Wasatch Tongue</b>									
4,300.0	7.19	199.50	4,161.0	-959.4	-339.7	1,017.8	3.00	-3.00	0.00
4,400.0	4.19	199.50	4,260.5	-968.7	-343.0	1,027.7	3.00	-3.00	0.00
4,500.0	1.19	199.50	4,360.3	-973.1	-344.6	1,032.4	3.00	-3.00	0.00
4,539.7	0.00	0.00	4,400.0	-973.5	-344.7	1,032.8	3.00	-3.00	0.00
4,600.0	0.00	0.00	4,460.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 4-19F  
**Well:** RBU 20-19F  
**Wellbore:** RBU 20-19F  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-19F  
**TVD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,624.7	0.00	0.00	4,485.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00
<b>Uteland Limestone</b>									
4,700.0	0.00	0.00	4,560.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
4,739.7	0.00	0.00	4,600.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00
<b>RBU 20-19F -- Requested BHL</b>									
4,784.7	0.00	0.00	4,645.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00
<b>Wasatch</b>									
4,800.0	0.00	0.00	4,660.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
4,900.0	0.00	0.00	4,760.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,000.0	0.00	0.00	4,860.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,100.0	0.00	0.00	4,960.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,200.0	0.00	0.00	5,060.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,300.0	0.00	0.00	5,160.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,400.0	0.00	0.00	5,260.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,500.0	0.00	0.00	5,360.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,600.0	0.00	0.00	5,460.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,689.7	0.00	0.00	5,550.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00
<b>Chapita Wells</b>									
5,700.0	0.00	0.00	5,560.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,800.0	0.00	0.00	5,660.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
5,900.0	0.00	0.00	5,760.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,000.0	0.00	0.00	5,860.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,100.0	0.00	0.00	5,960.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,200.0	0.00	0.00	6,060.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,300.0	0.00	0.00	6,160.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,400.0	0.00	0.00	6,260.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,500.0	0.00	0.00	6,360.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,600.0	0.00	0.00	6,460.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,700.0	0.00	0.00	6,560.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,800.0	0.00	0.00	6,660.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,900.0	0.00	0.00	6,760.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
6,919.7	0.00	0.00	6,780.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00
<b>Uteland Buttes</b>									
7,000.0	0.00	0.00	6,860.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,100.0	0.00	0.00	6,960.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,200.0	0.00	0.00	7,060.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,300.0	0.00	0.00	7,160.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,400.0	0.00	0.00	7,260.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,500.0	0.00	0.00	7,360.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,600.0	0.00	0.00	7,460.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,700.0	0.00	0.00	7,560.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,789.7	0.00	0.00	7,650.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00
<b>Mesaverde</b>									
7,800.0	0.00	0.00	7,660.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
7,900.0	0.00	0.00	7,760.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,000.0	0.00	0.00	7,860.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,100.0	0.00	0.00	7,960.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,200.0	0.00	0.00	8,060.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,300.0	0.00	0.00	8,160.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,400.0	0.00	0.00	8,260.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,500.0	0.00	0.00	8,360.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,600.0	0.00	0.00	8,460.3	-973.5	-344.7	1,032.8	0.00	0.00	0.00
8,689.7	0.00	0.00	8,550.0	-973.5	-344.7	1,032.8	0.00	0.00	0.00

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** RBU 4-19F  
**Well:** RBU 20-19F  
**Wellbore:** RBU 20-19F  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well RBU 20-19F  
**TVD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5147.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5 1/2"									

### Targets

#### Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
RBU 20-19F -- Request	0.00	0.00	4,600.0	-973.5	-344.7	3,140,996.82	2,139,396.64	39° 56' 7.851 N	109° 43' 15.244 W
- plan hits target									
- Circle (radius 30.0)									

### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,263.6	2,200.0	9 5/8"		
8,689.7	8,550.0	5 1/2"	9-5/8	12-1/4
			5-1/2	7-7/8

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,268.8	4,130.0	Wasatch Tongue		0.00	
4,624.7	4,485.0	Uteland Limestone		0.00	
4,784.7	4,645.0	Wasatch		0.00	
5,689.7	5,550.0	Chapita Wells		0.00	
6,919.7	6,780.0	Uteland Buttes		0.00	
7,789.7	7,650.0	Mesaverde		0.00	

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: XTO ENERGY INC

Well Name: RBU 20-19F

Api No: 43-047-38552 Lease Type: FEDERAL

Section 19 Township 10S Range 20E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

### **SPUDDED:**

Date 07/31/08

Time 1:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JIM NOWELL

Telephone # (435) 828-1454

Date 08/01/08 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: XTO ENERGY INC. Operator Account Number: N 2615  
Address: 382 CR 3100  
city AZTEC  
state NM zip 87410 Phone Number: (505) 333-3100

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738552	RBU 20-19F		NWNW	19	10S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>KB</i>	<i>99999</i>	<i>7050</i>	<i>7/31/2008</i>		<i>8/14/08</i>		
Comments: <i>MVRD = WSMVD BHL = SWHW</i>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

WANETT MCCAULEY

Name (Please Print)

*Wanett McCauley*  
Signature

FILE CLERK

Title

*8/5/2008*  
Date

**RECEIVED**

**AUG 05 2008**

(5/2000)

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on page 2**1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**XTO Energy Inc.**

3a. Address

**382 CR 3100 Aztec, NM 87410**

3b. Phone No. (include area code)

**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SHL: 721' FNL & 554' FWL NWNW SEC 19-T10S-R20E SLB&M****BHL: 1700' FNL & 200' FWL SWNW SEC 19-T10S-R20E**

5. Lease Serial No.

**U 013769-A**

6. If Indian, Allottee or Tribe Name

**N/A**

7. If Unit or CA/Agreement, Name and/or No.

**RIVERBEND UNIT**

8. Well Name and No.

**RBU 20-19F**

9. API Well No.

**43-047-38552**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH****UT**

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off               |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity               |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>SPUD</b> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc spudded 20" conductor hole 7/31/2008 & drilled to 40'. Set 14" conductor csg @ 40' & cemented to surface w/5 yds Redimix cement.****Drilling ahead. . . .****RECEIVED****AUG 07 2008****DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct
- 
- Name (Printed/Typed)

**WANETT MCCAULEY**Title **FILE CLERK**

Signature

Date **8/05/2008****THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**DOGM COPY**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO ENERGY INC.

3. ADDRESS OF OPERATOR:  
382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER:  
(505) 333-3100

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 721' FNL & 554' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
U 013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:  
RIVERBEND UNIT

8. WELL NAME and NUMBER:  
RBU 20-19F

9. API NUMBER:  
4304738552

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 8/31/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: AUGUST '08 MONTHLY REPORT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 8/01/2008 thru 8/31/2008.

NAME (PLEASE PRINT) WANETT MCCAULEY

TITLE FILE CLERK

SIGNATURE

*Wanett McCauley*

DATE 9/3/2008

(This space for State use only)

RECEIVED  
SEP 08 2008

DIV. OF OIL, GAS & MINING

# EXECUTIVE SUMMARY REPORT

8/1/2008 - 8/31/2008  
Report run on 9/2/2008 at 1:58 PM

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**RBU 20-19F** - Natural Buttes, 19, 10S, 20E, Uintah, Utah, , Roosevelt,  
**AFE: 717110**

Objective: Drill & Complete a Natural Buttes gas well  
Rig Information: Pete Martin Drilling, 1,

8/1/2008 DRILLED 20" CONDUCTOR TO 40' WITH RAT AND MOUSE HOLE, CMT WITH 5 YARDS REDI  
MIX CMT CALLED IN SPUD TIME TO BLM AND STATE OF UTAH

===== RBU 20-19F =====

8/2/2008 ROCKED OUT ON CELLAR RING ABOUT 4' DOWN, WILL HAVE TO BRING IN JACK HAMMER

===== RBU 20-19F =====

8/3/2008 HAMMER OUT CELLAR RING TO 6' SET RING

===== RBU 20-19F =====

8/29/2008 MIRU, STRAP AND PU BHA, DRLG CMT, FLT AND SHOE, DRLG TO 200', TOOH CHG BIT  
AND PU MWD, DIREC DRLG TO 324  
MW 9.5, VIS 36, LAST SURVEY @ 308' 2.5 DEG, 204.9 AZ

===== RBU 20-19F =====

8/30/2008 DIREC DRLG TO 1240  
RELACED MWD 3 TIMES, WT 9.3, VIS 33, LAST SURVEY @ 1169 16.4 DEG, 200 AZ



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U 013769-A
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
PHONE NUMBER: (505) 333-3100		8. WELL NAME and NUMBER: RBU 20-19F
4. LOCATION OF WELL FOOTAGES AT SURFACE: 721' FNL & 554' FWL		9. API NUMBER: 4304738552
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/30/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SEPTEMBER '08
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	MONTHLY REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 9/01/2008 thru 9/30/2008.

NAME (PLEASE PRINT) WANETT MCCAULEY

TITLE FILE CLERK

SIGNATURE

*Wanett McCauley*

DATE 10/3/2008

(This space for State use only)

RECEIVED

OCT 06 2008

DIV. OF OIL, GAS & MINING

# EXECUTIVE SUMMARY REPORT

9/1/2008 - 9/30/2008  
Report run on 10/1/2008 at 1:03 PM

Riverbend Unit 20-19F - Natural Buttes, 19, 10S, 20E, Uintah, Utah, ,  
Roosevelt,

AFE: 717110

Objective: Drill & Complete a Natural Buttes gas well  
Rig Information: Temples WS, 2,

9/1/2008 DIREC DRLG TO 2300, TOO, LD 8" TOOLS, RU CSG CREW

===== Riverbend Unit 20-19F =====

9/2/2008 R/U CASING CREW & RUN 9 5/8 CASING R/D CASERS, R/U CEMENTERS  
CEMENT 9 5/8 INTERMEDIATE CASING STRING (CEMENT TO SURFACE) REMOVE  
CONDUCTOR FLOW NIPPLE, NIPPLE UP BOP TEST BOPE STRAP & P/U BHA  
L/D 3 DRILL COLLARS, P/U 1 HWDP TIH (TAG CEMENT @ 2189)  
TEST BOPS, TEST EVERYTHING TO 250/5000 EXCEPT ANNULARS (250/2500) SUPER CHOKE  
(500) & CASING (1500/30 MINUTES) VIS 26 WT 8.5 PH 10.5  
CHLORIDES 26000 LAST SURVEY 16.9 DEGREES 197 AZIMUTH @ 2260

===== Riverbend Unit 20-19F =====

9/3/2008 DRILL CEMENT, FLOAT COLLAR, AND SHOE DRILL FROM 2300 TO 2321 @ 42FT/HR  
WOB 10 RPM 45 PUMP RATE 450 FIT TEST TO 10# MUD WT EQUIV.  
DRILL FROM 2321 TO 2700 @ 63.16FT/HR WOB 15 RPM 45 PUMP  
RATE 450 RIG SERVICE DRILL FROM 2700 TO 3555 @ 68.4 FT/HR  
WOB 15 RPM 45 PUMP RATE 450 LAST SURVEY 16.0 DEGREES &  
197.1 AZIMUTH @ 3481 VIS 26 WT 8.5 PH 11.5  
GAS SHOWS @ 2322 (76u), 2424 (117u), AND 2502 (50u)

===== Riverbend Unit 20-19F =====

9/4/2008 DRILL FROM 3555 TO 4317 @ 69.27 FT/HR WOB 15 RPM 45 PUMP  
RATE 450 RIG SERVICE DRILL FROM 4317 TO 4666 @ 43.6 FT/HR  
WOB 15 RPM 45 PUMP RATE 450 CIRCULATE BOTTOMS UP TRIP  
OUT TO L/D DIRECTIONAL TOOLS  
LAST SURVEY 1.1 DEGREES 199.85 AZ @ 4655 WT 8.5 PH 11.5

===== Riverbend Unit 20-19F =====

9/5/2008 L/D DIRECTIONAL TOOLS P/U & M/U BIT, MOTOR, AND 3 DRILL COLLARS  
TRIP IN HOLE TO 4600 WASH & REAM 66 FT TO BOTTOM (NO FILL) DRILL  
FROM 4666 TO 4888 @ 88.8 FT/HR WOB 18 RPM 50 PUMP RATE 450  
SURVEY @ 4808 (0.61 DEGREES) DRILL FROM 4888 TO 5427 @ 98 FT/HR  
WOB 18 RPM 50 PUMP RATE 450 RIG SERVICE DRILL FROM  
5427 TO 5901 @ 118.5 FT/HR WOB 18 RPM 50 PUMP RATE 450  
SURVEY @ 5821 (1.53 DEGREES) DRILL FROM 5901 TO 6466 @ 86.9 FT/HR  
WOB 18 RPM 50 PUMP RATE 450  
LASTSURVEY @ 5821 (1.53 DEGREES) VIS 26 WT 8.8 PH 11.5

===== Riverbend Unit 20-19F =====

9/6/2008 SURVEY @ 6387 (1.12 DEGREES) DRILL FROM 6466 TO 7223 @ 79.68 FT/HR  
WOB 20 RPM 50 PUMP RATE 450 RIG SERVICE SURVEY @ 7143  
(1.16) DRILL FROM 7223 TO 8049 @ 63.53 FT/HR WOB 22 RPM 50  
PUMP RATE 450

# EXECUTIVE SUMMARY REPORT

9/1/2008 - 9/30/2008  
Report run on 10/1/2008 at 1:03 PM

===== Riverbend Unit 20-19F =====

9/7/2008 DRILL FROM 8049 TO 8292 @ 48.6 FT/HR WOB 25 RPM 50 PUMP  
RATE 450 TOH FOR BIT TIH TO SHOE SLIP & CUT DRILLING LINE  
TIH TO 8202 WASH & REAM 90 FT TO BOTTOM (4 FT FILL) DRILL FROM  
8292 TO 8687 @ 49.38 FT/HR WOB 25 RPM 50 PUMP RATE 450  
CIRCULATE & CONDITION HOLE FOR CASING R/U & S/M WITH LAYDOWN MACHINE  
LAST SURVEY 1.16 DEGREES @ 8182 VIS 37 WT 9.5

===== Riverbend Unit 20-19F =====

9/8/2008 L/D DRILLSTRING S/M & R/U CASERS RUN CASING CEMENT CASING  
PUMPED 10 BBL H2O 10BBL MUDFLUSH 142 BBL LEAD 268 BBL TAIL  
200 BBL DISPLACEMENT 2%KCL NIPPLE DOWN BOP CLEAN PITS (RIG  
RELEASED @3:00)  
LEAD = 142 BBL 210 SX 3.82CU. FT/SK 11 LB/GAL  
TAIL = 268 BBL 820 SX 1.69CU. FT/SK 12.7 LB/GAL

===== Riverbend Unit 20-19F =====

9/12/2008 SICP 0 psig. MIRU Schlumberger WLU. RIH w/4.65" OD GR to 8614' FS. POH & LD  
GR. RIH w/RST/CCL/CBL logging tils. Tgd @ 8614'. Run CBL under 750 psig  
fr/8614' - 3000' FS. Log indic TOC @ surf. LD logging tils. RU pmp trk & PT  
csg to 2500 psig for 30" & 5000 psig for 10". Tstd gd. SWI & RDMO WL & pmp  
trk. Rpts suspd until further activity.

===== Riverbend Unit 20-19F =====

9/17/2008 SICP 0 psig. MURU HES and Casedhole Solutions. Held safety mtg & PT all  
surface lines to 7,500 psig, held gd. RIH perf stg #1 w/3-1/8" csg guns  
loaded w/Titan EXP-3323-361T, 22.7 gm chrgs, fr/8,292' - 8,294', 8,302' -  
8,304', 8,316' - 8,322', 8,347' - 8,350', 8,356' - 8,358' & 8,514' - 8,518',  
w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 44 holes). BD MV stg #1  
perfs w/2% KCL wtr & EIR. A. MV perfs fr/8,292' - 8,518' w/1,200 gals of 7-  
1/2% NEFE HCL ac & 66 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP N/A surge balls  
off perfs, wait 5". Frac'd MV stg #1 perfs fr/8,292' - 8,518', dwn 5-1/2"  
csg w/41,187 gals wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr  
carrying 120,800# BASF 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg,  
ATP 5,872 psig, ISIP 3,866 psig, 5" SIP 3,638 psig, used 2,088,000 mscf of  
N2, 981 BLW (stg 1). RIH & set 5K CBP @ 8,270'. PT plg to 6,000 psig, gd  
tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgs.  
Perf MV stage #2 intv fr/8,108' - 8,112', 8,157' - 8,162', 8,194' - 8,197',  
8,203' - 8,209' & 8,215' - 8,217', w/2 JSPF (120 deg phasing, 0.36" EHD,  
35.63" pene., 45 holes). POH & LD perf guns. BD MV stg #2 perfs w/2% KCL  
wtr & EIR. A. MV perfs fr/8,108' - 8,217' w/1,200 gals of 7-1/2% NEFE HCL ac  
and 67 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 2,590 psig, surge balls off  
perfs, wait 5". Frac'd MV stg #2 perfs fr/8,108' - 8,217', dwn 5-1/2" csg  
w/41,208 gals wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr  
carrying 130,200# BASF 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg,  
ISIP 3,575 psig, 5" SIP 3,363 psig, used 1,864,000 mscf of N2, 981 BLW (stg  
2). SWI & SDFN. 1,962 BLWTR ttl.

# EXECUTIVE SUMMARY REPORT

9/1/2008 - 9/30/2008  
Report run on 10/1/2008 at 1:03 PM

===== Riverbend Unit 20-19F =====

9/18/2008

W/HES and Casedhole Solutions allready rigged up. Held safety mtg & PT all surface lines to 7,500 psig, held gd. Perf UB/MV stage #3 intv fr/6,909' - 6,912', & 6,958' - 6,962', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 16 holes). POH & LD perf guns. Spearhead 1,000 gals 7.5% HCL and frac'd UB/MV stg #3 perfs fr/6,909' - 6,962', dwn 5-1/2" csg w/14,909 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 30,400# BASF 20/40 sd, the last 7,500#'s coated w/ Expedite Lite. Max sd conc 3 ppg, ATP 4,689 psig, ISIP 3,300 psig, 5" SIP 2,925 psig, used 422,000 mscf of N2, 355 BLWTR. RIH & set 5K CBP @ 6,730'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #4 intv fr/6,589' - 6,592', & 6,598' - 6,602', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 16 holes). POH & LD perf guns. Spearhead 1,000 gals ac & frac'd CW stg #4 perfs fr/6,589' - 6,602', dwn 5-1/2" csg w/37,507 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 30,400# BASF 20/40 sd, the last 7,500 #'s of sd coated w/ Expedite Lite. Max sd conc 4 ppg, ATP 4,170 psig, ISIP 2,705 psig, 5" SIP 2,325 psig, used 348,000 mscf of N2, 311 BLWTR. RIH & set 5K CBP @ 5,920'. PT plg to 6,000 psig, gd tst. RIH w/ 3-1/8" csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs. Perf CW stage #5 intv fr/5,756' - 5,760', & 5,766' - 5,769', w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 16 holes). POH & LD perf guns. Spearhead 1,000 gals ac & frac'd CW stg #5 perfs fr/5,756' - 5,769', dwn 5-1/2" csg w/13,489 gallons wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 40,900# BASF 20/40 sd, the last 10,000#'s of sd, coated w/ Expedite Lite. Max sd conc 4 ppg, ATP 3,808 psig, ISIP 2,337 psig, 5" SIP 2,160 psig, used 452,000 mscf of N2, 321 BLWTR. RIH & set 5K CBP @ 5,500'. SWI & SDFN. 2,949 BLWTR ttl. Rpts suspd until further activity.

===== Riverbend Unit 20-19F =====

9/26/2008

SICP 500 psig. MIRU Temples WS #2. BD well. ND frac vlv. NU BOP. PU & TIH w/4-3/4" rock tooth, safety sub, BRS, 2 3/8" SN & 167 jts 2-3/8", L-80, 4.7#, EUE, 8rd tbg. EOT @ 5,500'. RU pwr swivel. SWI & SDFN. 2,949 BLWTR ttl.

===== Riverbend Unit 20-19F =====

9/29/2008

SITP 0 psig. SICP 0 psig. Estb circion w/2% KCl wtr. DO CBP's @ 5500', 5920', 6730', 7090' & 8270'. Using well gas. TIH & tgd sd @ 8528'. CO sd to PBTD @ 8619'. Circ cln. RD pwr swivel. TOH @ LD 9 jts tbg. Ld tbg on hgr as follows: 253 jts 2-3/8", L-80, 4.7#, EUE 8rd tbg, 2-3/8" SN & BRS. SN @ 8343', EOT @ 8344', CW/UB/MV perfs fr/5765' - 8518' & PBTD @ 8619'. RU swb tls. RIH w/XTO's 1.90" tbg broach to SN, no ti spts. POH & LD broach. ND BOP. NU WH. Drpd ball & pmp off BRS & 4-3/4" bit w/2200 psig. SWI. RDMO Temples WS. SDFN. Recd 410 BLW during CO. 2539 BLWTR.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U 013769-A
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 721' FNL & 554' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S		8. WELL NAME and NUMBER: RBU 20-19F
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4304738552
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/31/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: OCTOBER 08 MONTHLY REPORT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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RECEIVED  
NOV 10 2008  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JENNIFER M. HEMBRY

TITLE FILE CLERK

SIGNATURE

DATE 11/5/2008

(This space for State use only)

# EXECUTIVE SUMMARY REPORT

10/1/2008 - 10/31/2008  
Report run on 11/4/2008 at 12:55 PM

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Riverbend Unit 20-19F - Natural Buttes, 19, 10S, 20E, Uintah, Utah, ,  
Roosevelt,

AFE: 717110

Objective: Drill & Complete a Natural Buttes gas well

10/1/2008	FTP 950 psig. SICP 2350 psig. F.O BO, 367 BLW, 24 hrs, 18/64 ck. Rets of gas, wtr & tr of sd. 1732 BLWTR.
10/2/2008	===== Riverbend Unit 20-19F ===== FTP 800 psig. SICP 950 psig. F.O BO, 233 BLW, 24 hrs, 18/64 ck. Rets of gas, wtr & tr of sd. 1499 BLWTR.
10/3/2008	===== Riverbend Unit 20-19F ===== FTP 1000 psig. SICP 950 psig. F.O BO, 154 BLW, 24 hrs, 18/64 ck. Rets of gas, wtr & tr of sd. 1345 BLWTR. Gas tstd @ 16% N2.
10/4/2008	===== Riverbend Unit 20-19F ===== FTP 700 psig. SICP 900 psig. F.O BO, 84 BLW, 24 hrs, 18/64 ck. Rets of gas & wtr. 1261 BLWTR.
10/5/2008	===== Riverbend Unit 20-19F ===== FTP 700 psig. SICP 900 psig. F.O BO, 85 BLW, 24 hrs, 18/64 ck. Rets of gas & wtr. 1176 BLWTR.
10/6/2008	===== Riverbend Unit 20-19F ===== FTP 700 psig. SICP 850 psig. F.O BO, 73 BLW, 24 hrs, 18/64 ck. Rets of gas & wtr. 1103 BLWTR. Gas tstd 8.1% N2 & .35% CO2. SWI & WO prod equip.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U 013769-A
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
PHONE NUMBER: (505) 333-3100		8. WELL NAME and NUMBER: RBU 20-19F
4. LOCATION OF WELL FOOTAGES AT SURFACE: 721' FNL & 554' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S		9. API NUMBER: 4304738552
COUNTY: UINTAH STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/30/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: DECEMBER 08 MONTHLY REPORT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has nothing to report for the period of 11/01/2008 thru 11/30/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE REGULATORY CLERK  
SIGNATURE *Jennifer M. Hembry* DATE 12/5/2008

(This space for State use only)

RECEIVED

DEC 09 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

5. Lease Serial No.

**U-013769-A**

6. If Indian, Allottee or Tribe Name

**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**RIVERBEND UNIT**

8. Well Name and No.  
**RBU 20-19F**

9. API Well No.

**43-047-38552**

10. Field and Pool, or Exploratory Area  
**NATURAL BUTTES**  
**WASATCH-MESAVERDE**

11. County or Parish, State  
**UINTAH UT**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**XTO Energy Inc.**

3a. Address

**382 CR 3100 Aztec, NM 87410**

3b. Phone No. (include area code)

**505-333-3100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SHL: 721' FNL & 554' FWL N4NW SEC 19-T10S-R20E SLB&M**  
**BHL: 1700' FNL & 200' FWL S4NW SEC 19-T10S-R20E**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                       |
| <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                       |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>1ST DELIVERY</b> |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

**XTO Energy Inc. first delivered this well to Questar Gas Management @ 2030 hours on Wednesday, 12/17/2008.**

**IFR 1063 MCFPD.**

**XTO meter # RS1544RF.**

**RECEIVED**

**DEC 18 2008**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**BARBARA A. NICOL**

Title **REGULATORY CLERK**

Signature

*Barbara A. Nicol*

Date **12/18/2008**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

**DOGM COPY**

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

U 013769-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

N/A

7. UNIT or CA AGREEMENT NAME:

RIVERBEND UNIT

8. WELL NAME and NUMBER:

RBU 20-19F

9. API NUMBER:

4304738552

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

XTO ENERGY INC.

3. ADDRESS OF OPERATOR:

382 CR 3100

CITY AZTEC

STATE NM

ZIP 87410

PHONE NUMBER:

(505) 333-3100

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 721' FNL & 554' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒

SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

12/31/2008

TYPE OF ACTION

☐

ACIDIZE

☐

ALTER CASING

☐

CASING REPAIR

☐

CHANGE TO PREVIOUS PLANS

☐

CHANGE TUBING

☐

CHANGE WELL NAME

☐

CHANGE WELL STATUS

☐

COMMINGLE PRODUCING FORMATIONS

☐

CONVERT WELL TYPE

☐

DEEPEN

☐

FRACTURE TREAT

☐

NEW CONSTRUCTION

☐

OPERATOR CHANGE

☐

PLUG AND ABANDON

☐

PLUG BACK

☐

PRODUCTION (START/RESUME)

☐

RECLAMATION OF WELL SITE

☐

RECOMPLETE - DIFFERENT FORMATION

☐

REPERFORATE CURRENT FORMATION

☐

SIDETRACK TO REPAIR WELL

☐

TEMPORARILY ABANDON

☐

TUBING REPAIR

☐

VENT OR FLARE

☐

WATER DISPOSAL

☐

WATER SHUT-OFF

☒

OTHER: DECEMBER 08  
MONTHLY REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Attached is XTO Energy's monthly report for the period of 12/01/2008 thru 12/31/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY

TITLE REGULATORY CLERK

SIGNATURE

Jennifer M. Hembry

DATE

1/5/2009

(This space for State use only)

RECEIVED  
JAN 12 2009  
DIV. OF OIL, GAS & MINING

# EXECUTIVE SUMMARY REPORT

12/1/2008 - 12/31/2008  
Report run on 1/2/2009 at 4:34 PM

---

## Riverbend Unit 20-19F - Riverbend Unit 20-19F

Section 19-10S-20E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a Natural Buttes gas well  
Date First Report: 7/31/2008  
Last Casing String:  
Method of Production: Flowing

12/17/2008

The River Bend Unit 20-19F was first delivered to Questar Gas Management through the #3 Tap CDP @ 8:30 p.m., Wednesday, 12/17/08. IFR 1063 MCFPD.

This well is in Uintah County, Utah.  
This well is on Route #205.  
This is a WA/MV well.

Accounting #165658.  
AFE #717110.  
XTO allocation Meter # RS1544RF.  
RTU Group 10  
Address 72.  
#3 Tap CDP Meter #R50931C.  
Tank # F1233.

===== Riverbend Unit 20-19F =====

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

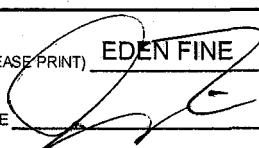
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-013769-A
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: RIVERBEND UNIT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 721' FNL x 554' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 19 10S 20E S		8. WELL NAME and NUMBER: RBU 20-19F
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4304738552
		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/31/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: January 08
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	MONTHLY REPORT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has nothing to report on this well for the period of 1/1/2009 thru 1/31/2009

NAME (PLEASE PRINT) EDEN FINE	TITLE REGULATORY CLERK
SIGNATURE 	DATE 2/6/2009

(This space for State use only)

RECEIVED

FEB 10 2009

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an**  
**abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy, Inc.

3a. Address

978 North Crescent Road, Roosevelt, UT. 84066

3b. Phone No. (include area code)

435-722-4521

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

721' FNL & 554' FWL, NW/NW, SEC 19, 10S, 20E

5. Lease Serial No.

U-013769-A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

891016035-A

8. Well Name and No.

RBW 20-19F

9. API Well No.

43-047-38552

10. Field and Pool, or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off     |
| <input type="checkbox"/> Altering Casing      | <input type="checkbox"/> Fracture Treat   | <input checked="" type="checkbox"/> Reclamation    | <input type="checkbox"/> Well Integrity     |
| <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other              |
| <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <input type="checkbox"/> Interm Reclamation |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen, directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Reserve pit reclaimed & reseeded on 4/23/2009

RECEIVED

MAY 27 2009

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Heather Meek

Title Regulatory Compliance Technician

Signature

Heather Meek

Date

5/27/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires July 31, 2010

**DOGM COPY**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff.Resvr.,  
Other \_\_\_\_\_

2. Name of Operator

**XTO Energy Inc.**

3. Address

**382 CR 3100 Aztec, NM 87410**

3a. Phone No. (include area code)

**505-333-3100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface **721' FNL & 554' FWL**

At top prod. interval reported below

At total depth **1688' FNL & 205' FWL**

14. Date Spudded

**7/31/2008**

15. Date T.D. Reached

**9/7/2008**

16. Date Completed

☐ D & A

☒ Ready to Prod.

**12/17/2008**

18. Total Depth: MD

**8687'**

TVD

**8550**

19. Plug Back T.D.: MD

**8622'**

TVD

**8485**

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

**CBL/GR/CCL; RST SIGMA LOG/GR/CCL CD, CN, DIG.**

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14/A252	36.75#	0	58'		125/Redimix		SURF	
12-1/4"	9.6/J-55	36#	0	2272		210/TYPE V		SURF	
"	"	"	"	"		200/G		SURF	
7-7/8"	5.5/S-80	17#	0	8666'		1030/G		SURF	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	8344'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH-MV	5756'	8518'	5756' - 8518'	0.36"	137	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5756' - 8518'	A. w/5,400 gals of 7-1/2% NEFE HCL acid. Frac'd w/148,300 gals wtr, 70Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 352,700# BASF 20/40 sand, and 25,000# of BASF 20/40 sand, coated w/Expedite Lite.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/17/08	12/24/08	24	→	12	1307	65			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
13/64"	1245	1245	→	12	1307	65		PRODUCING	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

**DOGM COPY**

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

## 28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

TO BE SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1230
				MAHOGENY BENCH	2075
				WASATCH TONGUE	4222
				UTELAND LIMESTONE	4568
				WASATCH	4732
				CHAPITA WELLS	5581
				UTELAND BUTTE	6911
				MESAVERDE	7731

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) BARBARA A. NICOLTitle REGULATORY CLERKSignature Barbara A. NicolDate 3/18/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

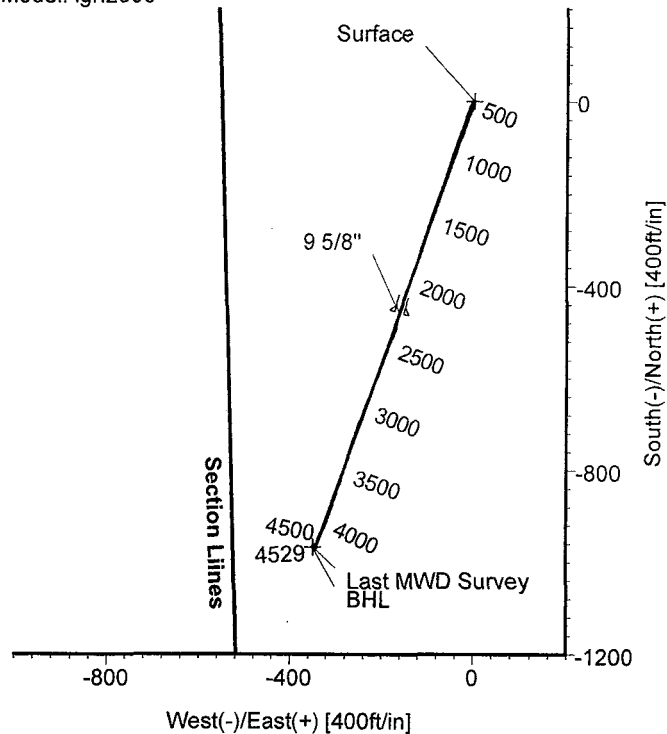
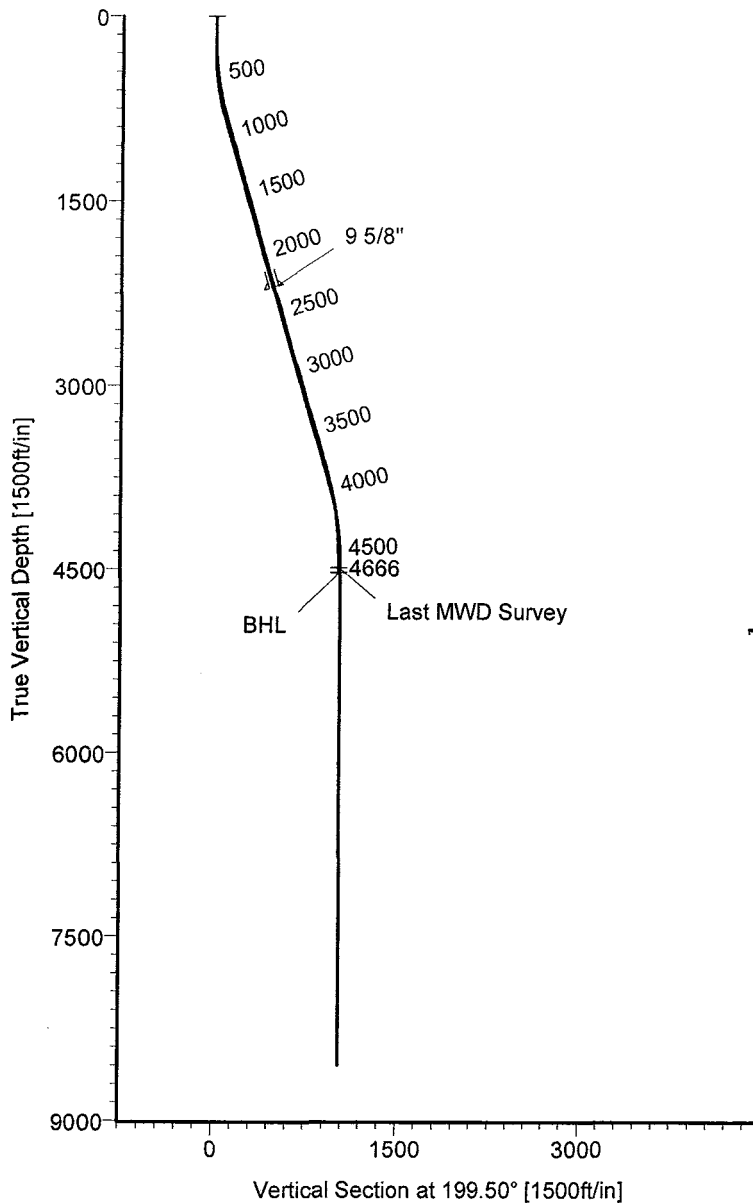
# XTO Energy, Inc.

Field: Uintah County, UT  
Site: RBU 20-19F  
Well: 20-19F  
Wellpath: Original Hole  
Survey: Survey #2



Azimuths to True North  
Magnetic North: 11.50°

Magnetic Field  
Strength: 52608nT  
Dip Angle: 65.85°  
Date: 8/28/2008  
Model: igrf2005



## CASING DETAILS

No.	TVD	MD	Name	Size
1	2200.00	2264.14	9 5/8"	9.625

## ANNOTATIONS

No.	TVD	MD	Annotation
1	4487.44	4624.00	Last MWD Survey
2	4529.44	4666.00	BHL

## TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.00	0.00	0.00	7151175.86	2139565.00	39°56'17.330N	109°43'10.884W	Point
Last MWD Survey	4487.44	-966.60	-349.04	7150202.50	2139235.27	39°56'07.776N	109°43'15.366W	Point
BHL	4529.44	-966.56	-349.44	7150202.53	2139234.87	39°56'07.777N	109°43'15.371W	Point

**STRATA**  
DIRECTIONAL TECHNOLOGY, LLC

STRATA DIRECTIONAL TECHNOLOGY, LLC.  
911 Regional Park Drive Houston, Texas 77060  
Phone: 713-934-9600 Fax: 713-934-9067

Wellpath: (20-19F/Original Hole)

Created By: David Vogler

Date: 9/4/2008

Checked: \_\_\_\_\_

Date: \_\_\_\_\_

# Strata Directional Technology, LLC.

## Survey Report

<b>Company:</b> XTO Energy, Inc.		<b>Date:</b> 9/4/2008	<b>Time:</b> 09:10:12	<b>Page:</b> 1
<b>Field:</b> Uintah County, UT		<b>Co-ordinate(NE) Reference:</b> Well: 20-19F, True North		
<b>Site:</b> RBU 20-19F		<b>Vertical (TVD) Reference:</b> RKB 5132.0		
<b>Well:</b> 20-19F		<b>Section (VS) Reference:</b> Well (0.00N,0.00E,199.50Azi)		
<b>Wellpath:</b> Original Hole		<b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase		

<b>Field:</b> Uintah County, UT	
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Map Zone:</b> Utah, Central Zone
<b>Geo Datum:</b> GRS 1980	<b>Coordinate System:</b> Well Centre
<b>Sys Datum:</b> Mean Sea Level	<b>Geomagnetic Model:</b> igrf2005

<b>Site:</b> RBU 20-19F	
<b>Site Position:</b>	<b>Northing:</b> 7151175.86 ft
<b>From:</b> Map	<b>Easting:</b> 2139565.00 ft
<b>Position Uncertainty:</b> 0.00 ft	<b>Latitude:</b> 39 56 17.330 N
<b>Ground Level:</b> 5132.00 ft	<b>Longitude:</b> 109 43 10.884 W
	<b>North Reference:</b> True
	<b>Grid Convergence:</b> 1.14 deg

<b>Well:</b> 20-19F		<b>Slot Name:</b>	
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7151175.86 ft	<b>Latitude:</b> 39 56 17.330 N	
+E/-W 0.00 ft	<b>Easting:</b> 2139565.00 ft	<b>Longitude:</b> 109 43 10.884 W	
<b>Position Uncertainty:</b> 0.00 ft			

<b>Wellpath:</b> Original Hole		<b>Drilled From:</b> Surface	
<b>Current Datum:</b> RKB	<b>Height</b> 5132.00 ft	<b>Tie-on Depth:</b> 0.00 ft	
<b>Magnetic Data:</b> 8/28/2008		<b>Above System Datum:</b> Mean Sea Level	
<b>Field Strength:</b> 52608 nT		<b>Declination:</b> 11.50 deg	
<b>Vertical Section:</b> Depth From (TVD)	+N/-S	<b>Mag Dip Angle:</b> 65.85 deg	
ft	ft	+E/-W	<b>Direction</b>
		ft	deg
0.00	0.00	0.00	199.50

<b>Survey Program for Definitive Wellpath</b>			
<b>Date:</b> 9/4/2008		<b>Validated:</b> No	<b>Version:</b> 1
<b>Actual From</b>	<b>To</b>	<b>Survey</b>	<b>Toolcode</b>
ft	ft		<b>Tool Name</b>
192.00	4624.00	Survey #1 (192.00-4624.00)	MWD
4666.00	4666.00	Survey #2 (4666.00-4666.00)	Std MWD
			Projection

<b>Survey</b>										
MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIE LINE
192.00	1.90	269.00	191.96	-0.06	-3.18	1.11	0.99	0.99	0.00	MWD
215.00	0.50	221.00	214.96	-0.14	-3.63	1.34	7.00	-6.09	-208.70	MWD
247.00	1.60	212.90	246.95	-0.62	-3.96	1.91	3.46	3.44	-25.31	MWD
277.00	2.30	204.20	276.94	-1.52	-4.44	2.91	2.53	2.33	-29.00	MWD
308.00	2.50	204.90	307.91	-2.70	-4.98	4.21	0.65	0.65	2.26	MWD
370.00	4.20	198.20	369.80	-6.08	-6.26	7.82	2.81	2.74	-10.81	MWD
431.00	5.80	200.80	430.57	-11.09	-8.05	13.14	2.65	2.62	4.26	MWD
492.00	7.30	200.20	491.17	-17.61	-10.48	20.09	2.46	2.46	-0.98	MWD
553.00	9.50	200.60	551.51	-25.96	-13.59	29.00	3.61	3.61	0.66	MWD
614.00	10.90	199.60	611.54	-36.10	-17.30	39.81	2.31	2.30	-1.64	MWD
681.00	12.80	199.60	677.11	-49.06	-21.91	53.56	2.84	2.84	0.00	MWD
738.00	13.70	199.20	732.59	-61.39	-26.25	66.63	1.59	1.58	-0.70	MWD
798.00	15.00	200.60	790.72	-75.36	-31.32	81.50	2.24	2.17	2.33	MWD
858.00	15.70	199.90	848.58	-90.27	-36.81	97.38	1.21	1.17	-1.17	MWD
918.00	16.50	198.90	906.23	-105.96	-42.34	114.02	1.41	1.33	-1.67	MWD
1009.00	16.00	196.80	993.59	-130.19	-50.15	139.47	0.85	-0.55	-2.31	MWD
1105.00	15.70	197.80	1085.94	-155.23	-57.94	165.66	0.42	-0.31	1.04	MWD
1200.00	16.50	199.20	1177.22	-180.21	-66.31	192.00	0.94	0.84	1.47	MWD
1264.00	16.40	200.60	1238.60	-197.25	-72.48	210.13	0.64	-0.16	2.19	MWD
1327.00	16.70	199.90	1298.99	-214.08	-78.69	228.07	0.57	0.48	-1.11	MWD
1391.00	17.10	199.20	1360.22	-231.61	-84.91	246.67	0.70	0.62	-1.09	MWD



# Strata Directional Technology, LLC.

## Survey Report

Company: XTO Energy, Inc.  
Field: Uintah County, UT  
Site: RBU 20-19F  
Well: 20-19F  
Wellpath: Original Hole

Date: 9/4/2008  
Co-ordinate(NE) Reference: Well: 20-19F, True North  
Vertical (TVD) Reference: RKB 5132.0  
Section (VS) Reference: Well (0.00N,0.00E,199.50Azi)  
Survey Calculation Method: Minimum Curvature  
Db: Sybase

Page: 2

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1454.00	16.20	199.20	1420.58	-248.66	-90.85	264.72	1.43	-1.43	0.00	MWD
1518.00	15.50	197.50	1482.15	-265.25	-96.36	282.20	1.31	-1.09	-2.66	MWD
1550.00	15.30	196.80	1513.00	-273.37	-98.86	290.69	0.85	-0.62	-2.19	MWD
1613.00	16.50	198.50	1573.59	-289.81	-104.10	307.94	2.04	1.90	2.70	MWD
1676.00	16.50	199.20	1633.99	-306.74	-109.88	325.83	0.32	0.00	1.11	MWD
1740.00	15.30	196.10	1695.54	-323.44	-115.22	343.35	2.30	-1.87	-4.84	MWD
1804.00	14.80	196.80	1757.35	-339.38	-119.92	359.94	0.83	-0.78	1.09	MWD
1867.00	15.00	197.80	1818.23	-354.84	-124.74	376.13	0.52	0.32	1.59	MWD
1899.00	15.10	198.50	1849.13	-362.74	-127.33	384.44	0.65	0.31	2.19	MWD
1963.00	15.70	201.70	1910.84	-378.69	-133.17	401.42	1.63	0.94	5.00	MWD
2026.00	16.40	202.00	1971.38	-394.86	-139.66	418.83	1.12	1.11	0.48	MWD
2089.00	15.80	199.60	2031.91	-411.18	-145.87	436.29	1.42	-0.95	-3.81	MWD
2153.00	15.80	199.60	2093.49	-427.60	-151.71	453.72	0.00	0.00	0.00	MWD
2216.00	16.90	198.20	2153.94	-444.38	-157.45	471.45	1.85	1.75	-2.22	MWD
2260.00	16.90	197.50	2196.04	-456.55	-161.37	484.23	0.46	0.00	-1.59	MWD
2311.00	16.90	196.40	2244.84	-470.73	-165.69	499.04	0.63	0.00	-2.16	MWD
2343.00	16.40	193.60	2275.50	-479.59	-168.07	508.18	2.95	-1.56	-8.75	MWD
2406.00	17.10	196.80	2335.83	-497.10	-172.83	526.28	1.84	1.11	5.08	MWD
2469.00	15.70	202.40	2396.27	-513.85	-178.76	544.05	3.35	-2.22	8.89	MWD
2533.00	15.70	202.00	2457.88	-529.88	-185.30	561.35	0.17	0.00	-0.62	MWD
2596.00	15.30	200.60	2518.59	-545.57	-191.42	578.17	0.87	-0.63	-2.22	MWD
2690.00	16.40	200.30	2609.01	-569.62	-200.39	603.84	1.17	1.17	-0.32	MWD
2753.00	15.80	199.20	2669.54	-586.06	-206.30	621.31	1.07	-0.95	-1.75	MWD
2818.00	17.20	201.70	2731.86	-603.35	-212.76	639.77	2.41	2.15	3.85	MWD
2911.00	17.20	201.30	2820.70	-628.94	-222.84	667.25	0.13	0.00	-0.43	MWD
3006.00	16.70	201.00	2911.58	-654.77	-232.83	694.93	0.53	-0.53	-0.32	MWD
3101.00	15.80	200.30	3002.78	-679.64	-242.21	721.51	0.97	-0.95	-0.74	MWD
3196.00	16.20	198.90	3094.10	-704.31	-250.99	747.70	0.59	0.42	-1.47	MWD
3291.00	15.80	199.60	3185.42	-729.03	-259.62	773.88	0.47	-0.42	0.74	MWD
3386.00	17.40	197.80	3276.46	-754.74	-268.30	801.01	1.77	1.68	-1.89	MWD
3481.00	16.00	197.10	3367.45	-780.78	-276.50	828.29	1.49	-1.47	-0.74	MWD
3545.00	16.40	198.50	3428.91	-797.78	-281.96	846.14	0.87	0.62	2.19	MWD
3735.00	16.20	198.20	3611.27	-848.40	-298.75	899.46	0.11	-0.11	-0.16	MWD
3798.00	14.80	196.80	3671.98	-864.45	-303.82	916.28	2.30	-2.22	-2.22	MWD
3862.00	15.00	198.50	3733.83	-880.13	-308.81	932.73	0.75	0.31	2.66	MWD
3894.00	14.60	198.50	3764.77	-887.88	-311.40	940.90	1.25	-1.25	0.00	MWD
3926.00	14.10	196.80	3795.77	-895.44	-313.81	948.83	2.04	-1.56	-5.31	MWD
3989.00	13.20	202.80	3856.99	-909.41	-318.81	963.67	2.66	-1.43	9.52	MWD
4085.00	10.20	204.90	3950.99	-927.23	-326.64	983.08	3.16	-3.12	2.19	MWD
4148.00	8.60	205.60	4013.14	-936.54	-331.03	993.32	2.55	-2.54	1.11	MWD
4212.00	7.40	204.20	4076.51	-944.62	-334.78	1002.19	1.90	-1.87	-2.19	MWD
4275.00	6.00	201.00	4139.08	-951.39	-337.63	1009.52	2.30	-2.22	-5.08	MWD
4339.00	4.60	201.30	4202.81	-956.90	-339.76	1015.43	2.19	-2.19	0.47	MWD
4402.00	3.30	218.90	4265.66	-960.67	-341.81	1019.67	2.80	-2.06	27.94	MWD
4465.00	3.00	224.50	4328.56	-963.26	-344.11	1022.87	0.68	-0.48	8.89	MWD
4529.00	2.50	235.80	4392.49	-965.24	-346.44	1025.51	1.15	-0.78	17.66	MWD
4624.00	1.10	257.40	4487.44	-966.60	-349.04	1027.67	1.61	-1.47	22.74	Last MWD Survey
4666.00	0.35	357.40	4529.44	-966.56	-349.44	1027.76	2.88	-1.79	238.10	BHL

# Strata Directional Technology, LLC.

## Survey Report

<b>Company:</b> XTO Energy, Inc.	<b>Date:</b> 9/4/2008	<b>Time:</b> 09:10:12	<b>Page:</b> 3
<b>Field:</b> Uintah County, UT	<b>Co-ordinate(NE) Reference:</b>	<b>Well:</b> 20-19F, True North	
<b>Site:</b> RBU 20-19F	<b>Vertical (TVD) Reference:</b>	RKB 5132.0	
<b>Well:</b> 20-19F	<b>Section (VS) Reference:</b>	Well (0.00N,0.00E,199.50Azi)	
<b>Wellpath:</b> Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature	<b>Db:</b> Sybase

### Annotation

MD ft	TVD ft	
4624.00	4487.44	Last MWD Survey
4666.00	4529.44	BHL

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U 013769-A
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410		<b>8. WELL NAME and NUMBER:</b> RBU 20-19F
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0721 FNL 0554 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 19 Township: 10.0S Range: 20.0E Meridian: S		<b>9. API NUMBER:</b> 43047385520000
<b>PHONE NUMBER:</b> 505 333-3159 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 9/18/2009	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input checked="" type="checkbox"/> <b>OTHER</b>	
	OTHER: PWOPL	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> XTO Energy Inc. has put this well on a plunger lift. Please see the attached Executive Summary Report.		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> October 06, 2009		
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/2/2009	

# EXECUTIVE SUMMARY REPORT

9/10/2009 - 10/1/2009  
Report run on 10/1/2009 at 4:47 PM

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## Riverbend Unit 20-19F

Section 19-10S-20E, Uintah, Utah, Roosevelt  
Objective: PWOPL  
Date First Report: 9/18/2009

9/18/2009

MIRU Production Logging Services SLU. RU & RIH w/1.625" BB tgd fill @ 8,605'. POH & Ld BB. RU & RIH w/1.908" tbg broach to SN @ 8,344'. No tight spots. Chase BHBS w/out SV to SN. POH & Ld tbg broach. RDMO Production Logging Services SLU. Drpd new PCS sand plngr. RWTP @ 12:00 noon, 9/18/09. Final rpt.

===== Riverbend Unit 20-19F =====

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U 013769-A
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>7. UNIT or CA AGREEMENT NAME:</b> RIVER BEND
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501, Englewood, CO, 80155		<b>8. WELL NAME and NUMBER:</b> RBW 20-19F
<b>PHONE NUMBER:</b> 303 397-3727 Ext		<b>9. API NUMBER:</b> 43047385520000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0721 FNL 0554 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 19 Township: 10.0S Range: 20.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/29/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
XTO Energy Inc. performed an Acid Treatment on this well per the following: 04/19/16: MIRU SLU. Rec PCS dual pad plngr. Left equip out & SWI for ac job. RDMO SLU. 04/27/16: MIRU acid equip. Ppd dwn csg w/500 gal's 15% HCL ac w/add's, Flsh w/20 bbl's TPW, mixed w/5 gal's H2's scavenger. RDMO acid equipment. 04/29/16: MIRU SWU. Inspect & dropd new brush plunger. Cycle plunger to surf & RWTP. RDMO SWU.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 09, 2016		
<b>NAME (PLEASE PRINT)</b> Rhonda Smith	<b>PHONE NUMBER</b> 505 333-3215	<b>TITLE</b> Regulatory Clerk
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/5/2016	